

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051131.D
 Acq On : 11 Sep 2018 16:51
 Operator : MD\SY
 Sample : J4849-06MSD 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:18 AM

Quant Time: Sep 12 03:58:34 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	7.67	168	679659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	890725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	454410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	379564	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.59	113	370819	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.09	98	1387490	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	471371	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	296002	45.16	ug/l	100
3) Chloromethane	2.06	50	382924	45.19	ug/l	100
4) Vinyl Chloride	2.18	62	406511	45.18	ug/l	99
5) Bromomethane	2.55	94	197556	38.69	ug/l	98
6) Chloroethane	2.70	64	250448	45.10	ug/l	100
7) Trichlorofluoromethane	3.01	101	561667	47.11	ug/l	100
8) Diethyl Ether	3.41	74	225453	51.42	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	363702	47.33	ug/l	99
10) Methyl Iodide	3.95	142	227846	33.76	ug/l	100
11) Tert butyl alcohol	4.79	59	176293	305.15	ug/l	100
12) 1,1-Dichloroethene	3.73	96	342451	47.24	ug/l	99
13) Acrolein	3.61	56	173864	246.89	ug/l	100
14) Allyl chloride	4.32	41	542586	49.12	ug/l	99
15) Acrylonitrile	4.99	53	725223	283.30	ug/l	100
16) Acetone	3.82	43	470248	251.48	ug/l	99
17) Carbon Disulfide	4.05	76	1009579	47.26	ug/l	99
18) Methyl Acetate	4.33	43	325161	53.68	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1021798	53.32	ug/l	98
20) Methylene Chloride	4.55	84	393235	47.07	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	365903	46.53	ug/l	99
22) Diisopropyl ether	5.96	45	1134479	51.74	ug/l	95
23) Vinyl Acetate	5.90	43	4065962	274.03	ug/l	100
24) 1,1-Dichloroethane	5.85	63	673403	48.41	ug/l	100
25) 2-Butanone	6.84	43	800856	269.31	ug/l	99
26) 2,2-Dichloropropane	6.82	77	533616	46.87	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	421283	48.83	ug/l	99
28) Bromochloromethane	7.20	49	314615	50.81	ug/l	99
29) Tetrahydrofuran	7.21	42	551861	297.17	ug/l	100
30) Chloroform	7.37	83	672651	48.61	ug/l	100
31) Cyclohexane	7.65	56	604839	48.76	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	578615	49.07	ug/l	99
36) 1,1-Dichloropropene	7.79	75	525163	48.89	ug/l	100
37) Ethyl Acetate	6.93	43	357652	57.49	ug/l	100
38) Carbon Tetrachloride	7.77	117	506985	47.96	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051131.D
 Acq On : 11 Sep 2018 16:51
 Operator : MD\SY
 Sample : J4849-06MSD 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 EP1-MW-DMSD

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:18 AM

Quant Time: Sep 12 03:58:34 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	595158	50.22	ug/l	99
40) Benzene	8.04	78	1593503	49.23	ug/l	99
41) Methacrylonitrile	7.18	41	178143	55.50	ug/l	98
42) 1,2-Dichloroethane	8.13	62	466814	49.48	ug/l	99
43) Isopropyl Acetate	8.17	43	628617	57.27	ug/l	98
44) Trichloroethene	8.84	130	429362	48.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	411654	49.22	ug/l	98
46) Dibromomethane	9.21	93	250642	49.12	ug/l	99
47) Bromodichloromethane	9.40	83	521976	50.31	ug/l	98
48) Methyl methacrylate	9.20	41	317575	59.37	ug/l	97
49) 1,4-Dioxane	9.20	88	99272	1183.51	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1787495	294.48	ug/l	100
52) Toluene	10.16	92	999480	50.64	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	544046	52.39	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	608330	49.96	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	375856	52.43	ug/l	99
56) Ethyl methacrylate	10.43	69	509567	52.82	ug/l	100
57) 1,3-Dichloropropane	10.71	76	613882	51.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	14693	18.64	ug/l	97
59) 2-Hexanone	10.75	43	1205966	292.96	ug/l	100
60) Dibromochloromethane	10.90	129	417542	51.67	ug/l	100
61) 1,2-Dibromoethane	11.01	107	375349	53.56	ug/l	100
64) Tetrachloroethene	10.63	164	387274	47.65	ug/l	99
65) Chlorobenzene	11.43	112	1103814	49.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	401251	49.64	ug/l	100
67) Ethyl Benzene	11.51	91	1992074	54.79	ug/l	100
68) m/p-Xylenes	11.62	106	1530014	109.52	ug/l	100
69) o-Xylene	11.95	106	713733	52.76	ug/l	99
70) Styrene	11.96	104	1151657	54.88	ug/l	100
71) Bromoform	12.13	173	306458	53.85	ug/l #	99
73) Isopropylbenzene	12.25	105	2796650	73.39	ug/l	100
74) N-amyl acetate	12.07	43	551836	57.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	493131	56.61	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	394712m	56.21	ug/l	
77) Bromobenzene	12.53	156	483940	47.28	ug/l	99
78) n-propylbenzene	12.59	91	4062913	97.00	ug/l	99
79) 2-Chlorotoluene	12.68	91	1328409	50.74	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	2114868	68.64	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	117974	49.31	ug/l	98
82) 4-Chlorotoluene	12.77	91	1242981	47.83	ug/l	99
83) tert-Butylbenzene	12.99	119	1389007	51.07	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	12029726	397.10	ug/l	99
85) sec-Butylbenzene	13.17	105	2171464	62.25	ug/l	96
86) p-Isopropyltoluene	13.29	119	1832023	61.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	825803	47.55	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	801621	50.28	ug/l	99
89) n-Butylbenzene	13.62	91	1461276	63.48	ug/l	94
90) Hexachloroethane	13.88	117	315948	58.78	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	807755	47.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77600	59.49	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051131.D
Acq On : 11 Sep 2018 16:51
Operator : MD\SY
Sample : J4849-06MSD 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

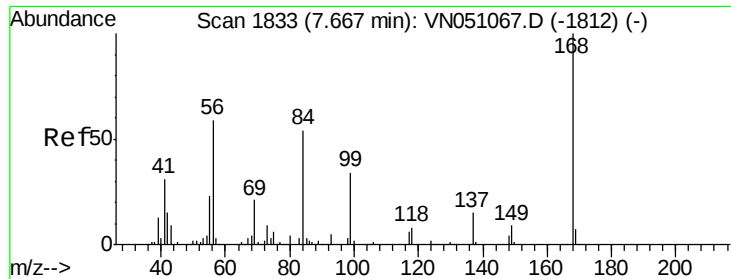
Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM

Quant Time: Sep 12 03:58:34 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	422404	51.52	ug/l	98
94) Hexachlorobutadiene	15.01	225	252072	51.16	ug/l	99
95) Naphthalene	15.13	128	964844	55.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	417296	53.21	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion:168 Resp: 679659

Ion Ratio Lower Upper

168 100

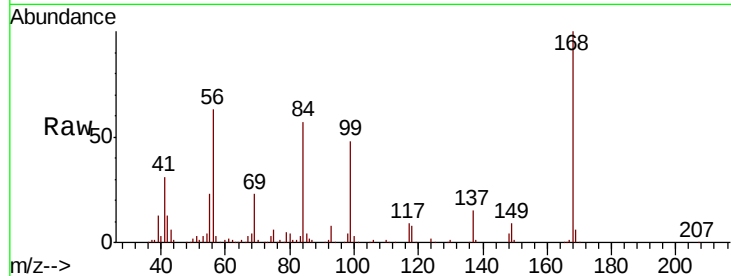
99 48.2 38.3 57.5

Manual Integrations

APPROVED

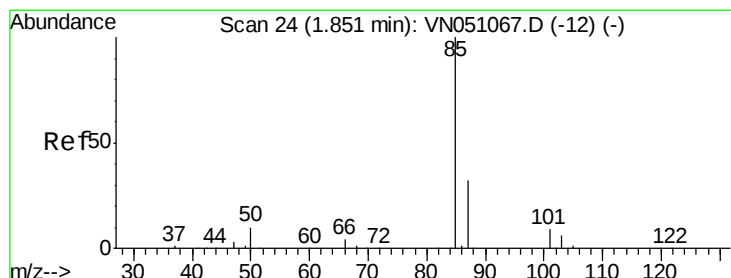
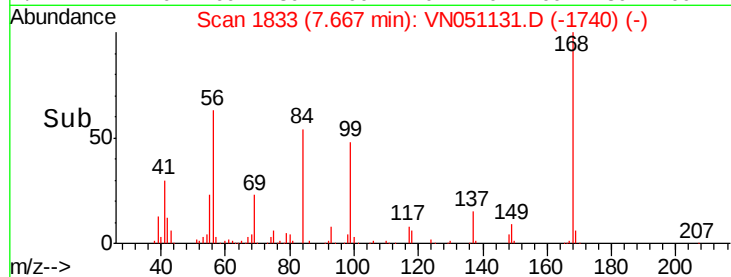
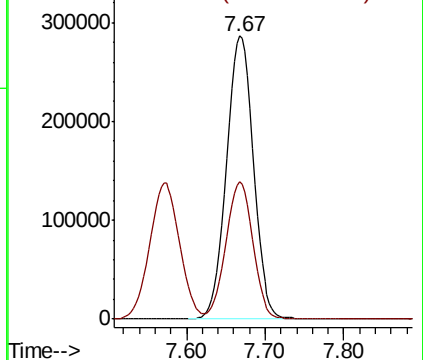
MMDadoda

9/12/2018 10:07:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.16 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051131.D

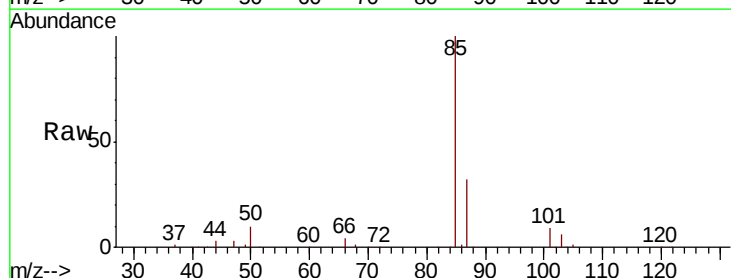
Acq: 11 Sep 2018 16:51

Tgt Ion: 85 Resp: 296002

Ion Ratio Lower Upper

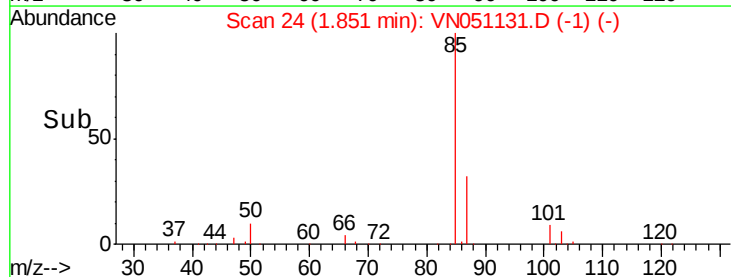
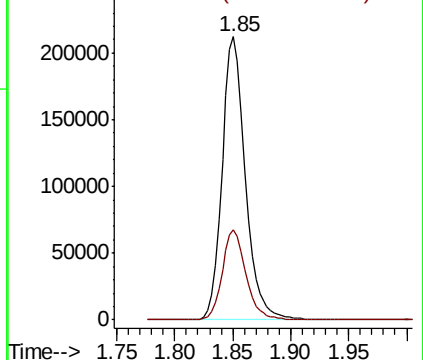
85 100

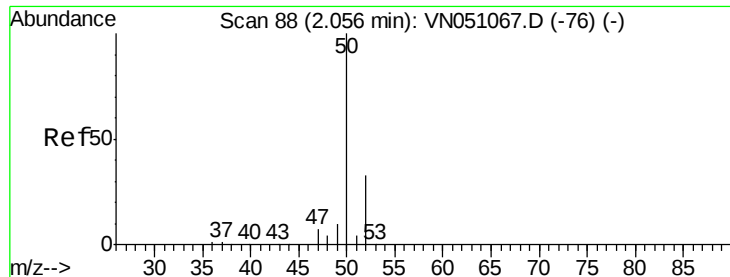
87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.19 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion: 50 Resp: 382924

Ion Ratio Lower Upper

50 100

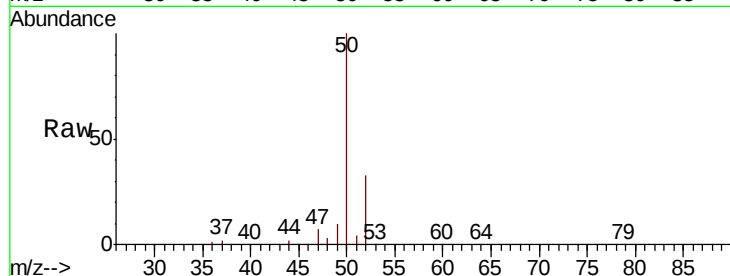
52 32.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:07:18 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

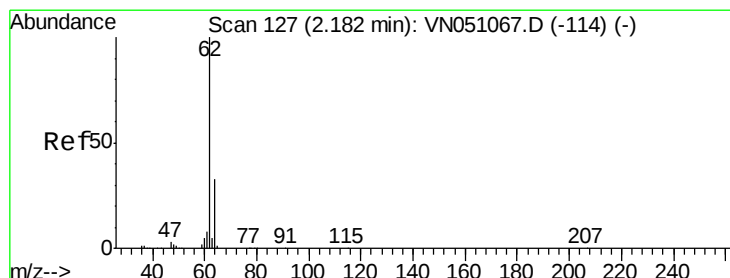
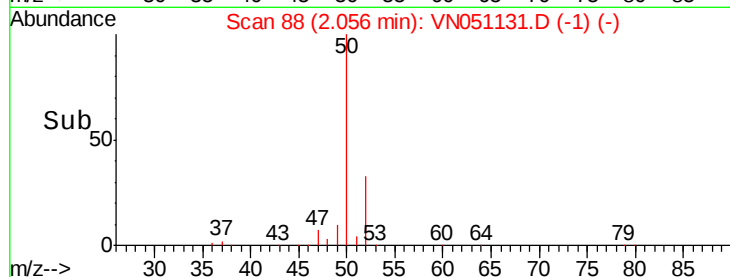
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 45.18 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051131.D

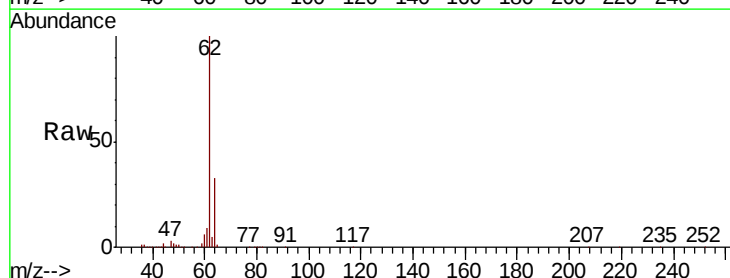
Acq: 11 Sep 2018 16:51

Tgt Ion: 62 Resp: 406511

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

300000

250000

200000

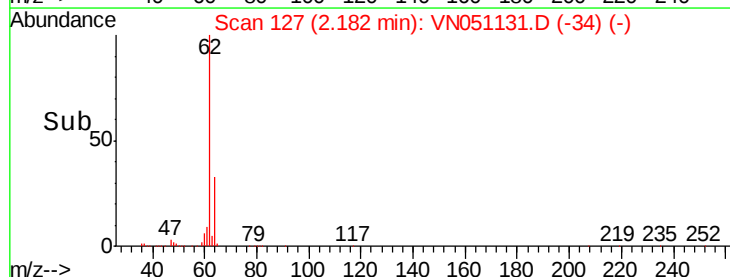
150000

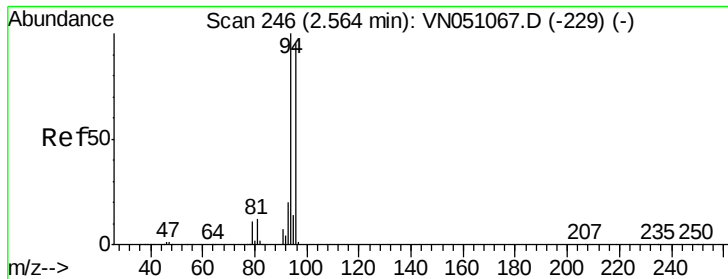
100000

50000

0

Time-->





#5

Bromomethane

Concen: 38.69 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-DMSD

Tot Ion: 94 Resp: 197556

Ion Ratio Lower Upper

94 100

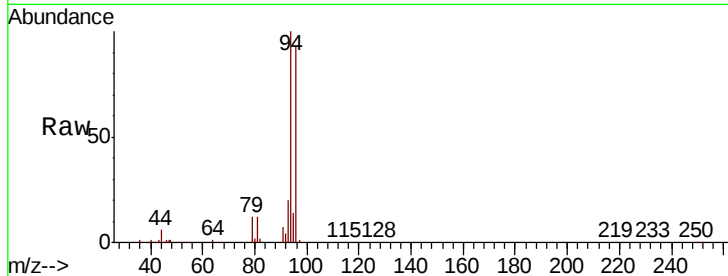
96 92.8 75.9 113.9

Manual Integrations

APPROVED

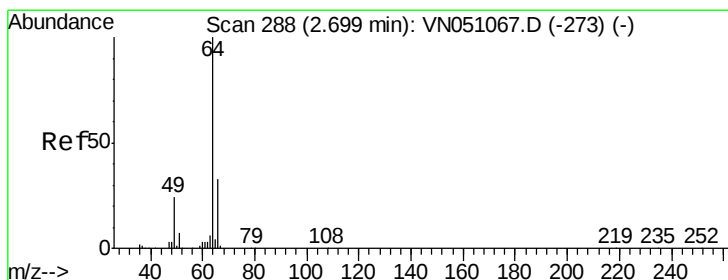
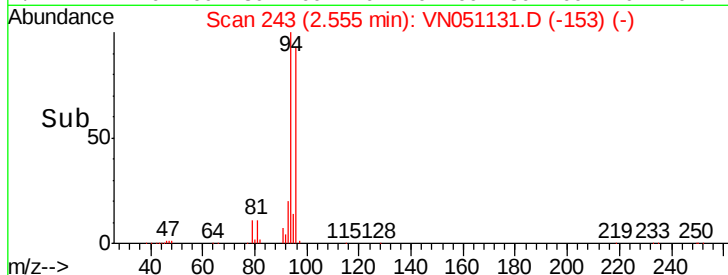
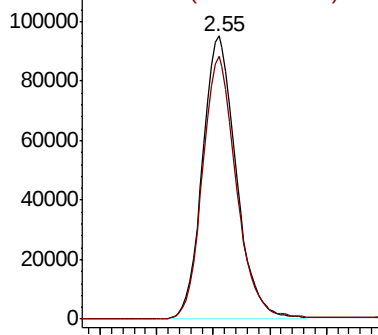
MMDadoda

9/12/2018 10:07:18 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.10 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051131.D

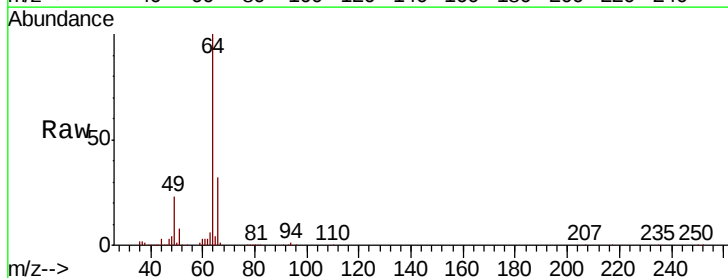
Acq: 11 Sep 2018 16:51

Tgt Ion: 64 Resp: 250448

Ion Ratio Lower Upper

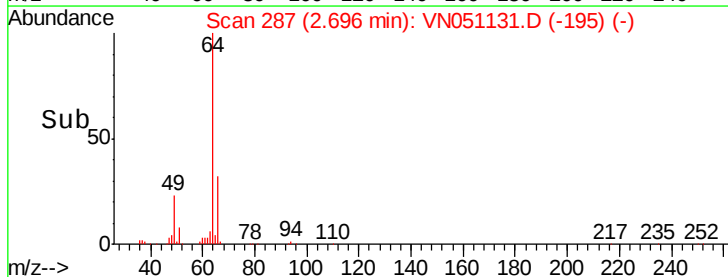
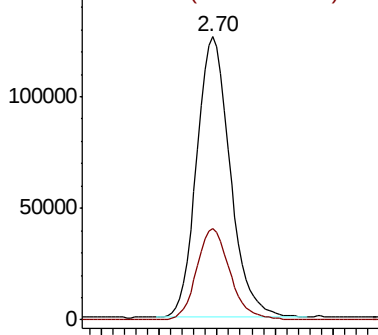
64 100

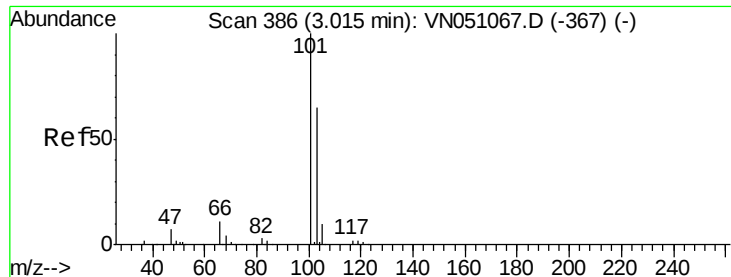
66 32.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

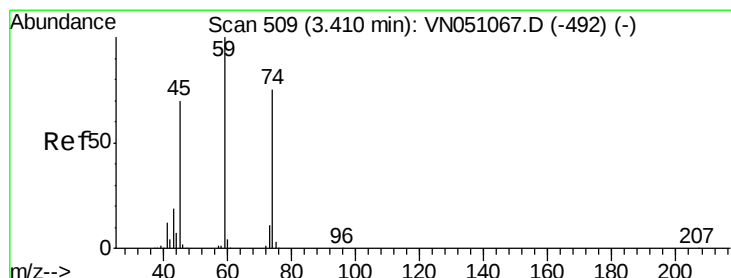
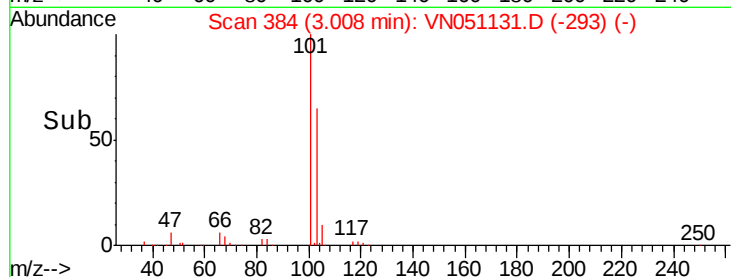
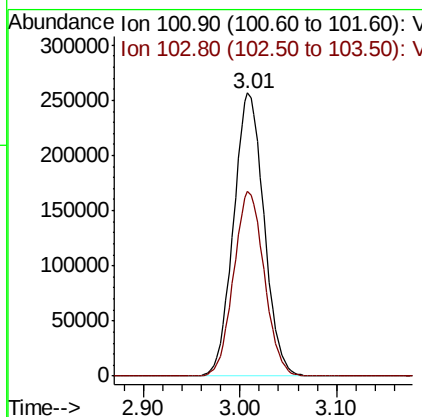
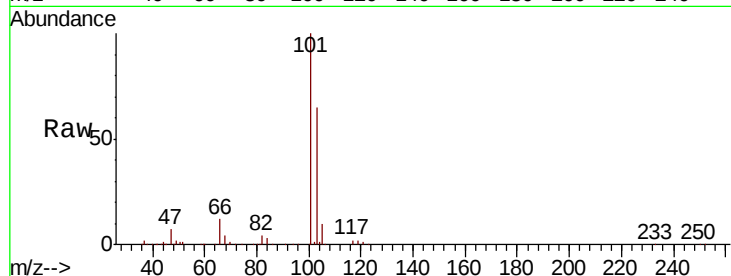
Trichlorofluoromethane
 Concen: 47.11 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.4	78.6

Manual Integrations
 APPROVED

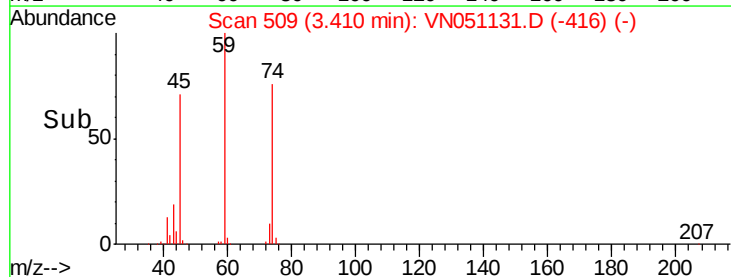
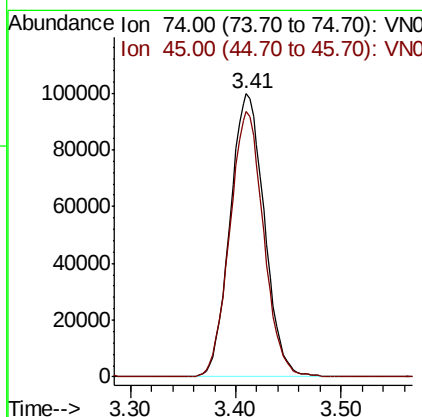
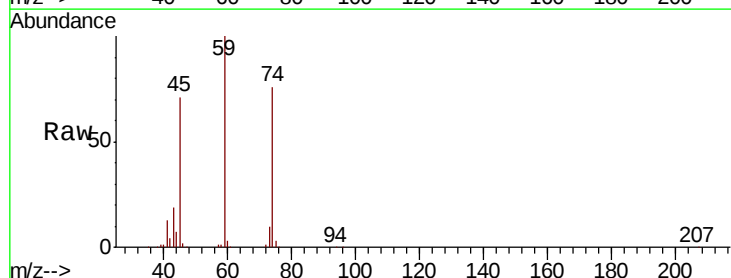
MMDadoda
 9/12/2018 10:07:18 AM

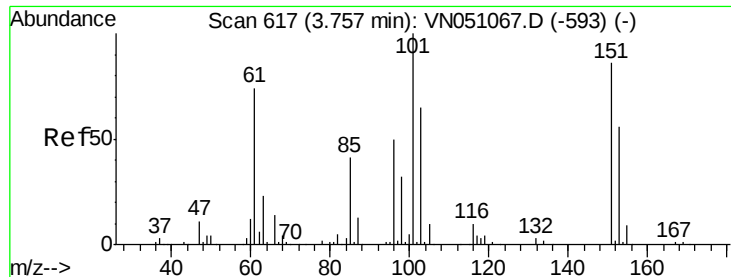


#8

Diethyl Ether
 Concen: 51.42 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.33 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion:101 Resp: 363702

Ion Ratio Lower Upper

101 100

85 40.6 33.3 49.9

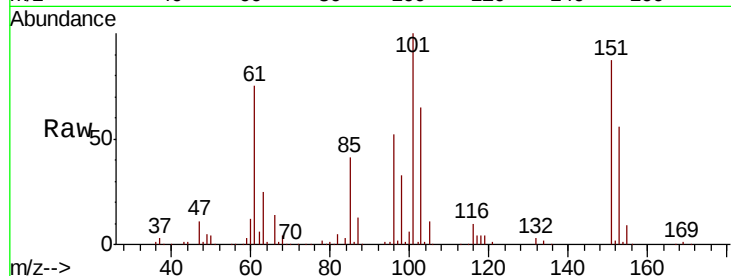
151 84.8 68.2 102.2

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:07:18 AM

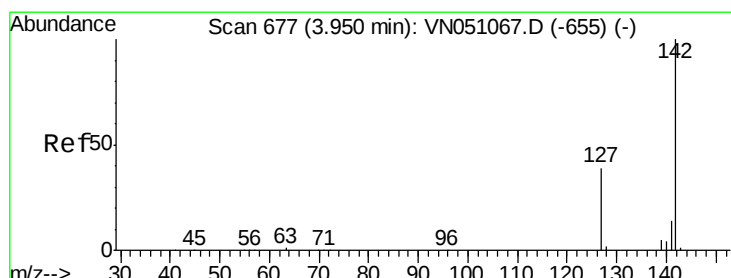
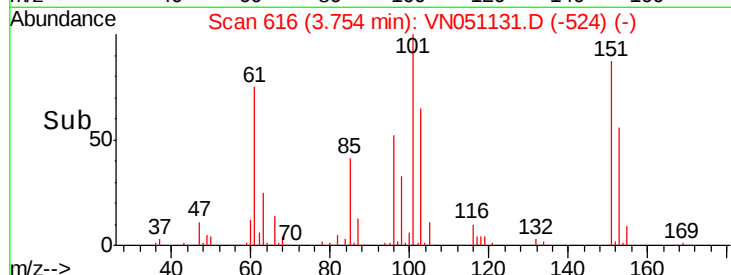
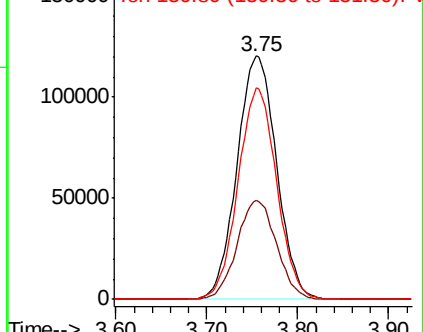


Abundance

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: 33.76 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

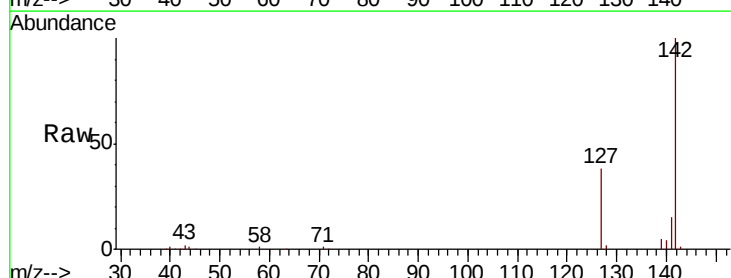
Tgt Ion:142 Resp: 227846

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

141 14.4 11.3 16.9

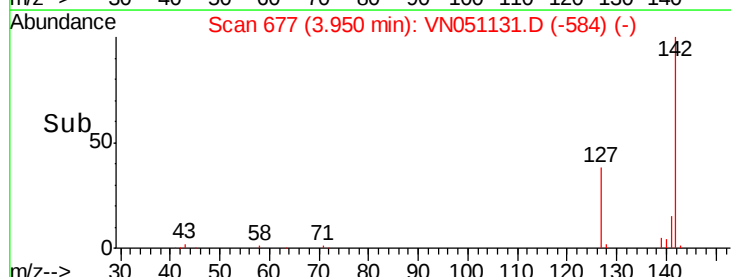
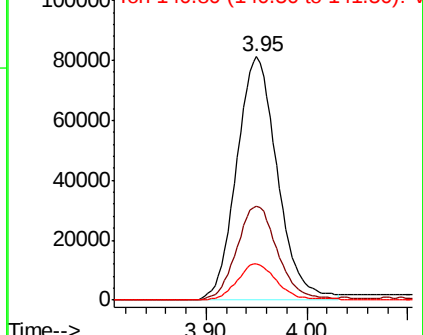


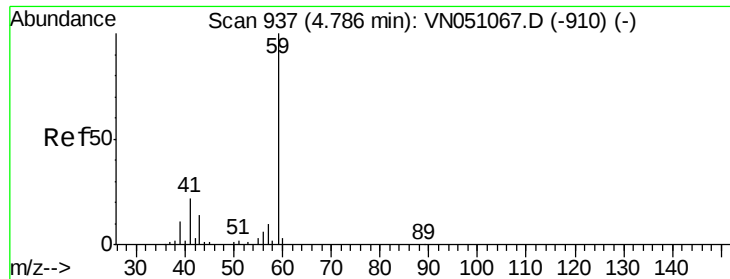
Abundance

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





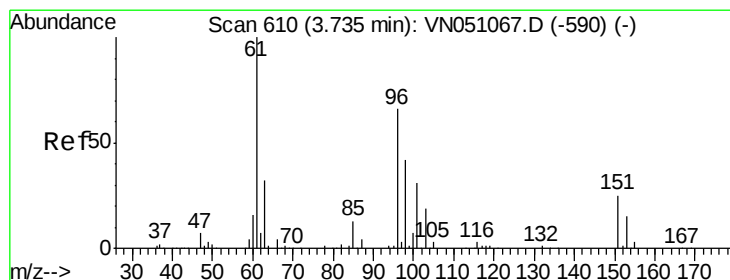
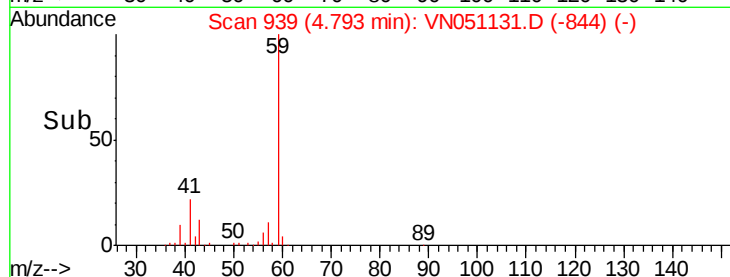
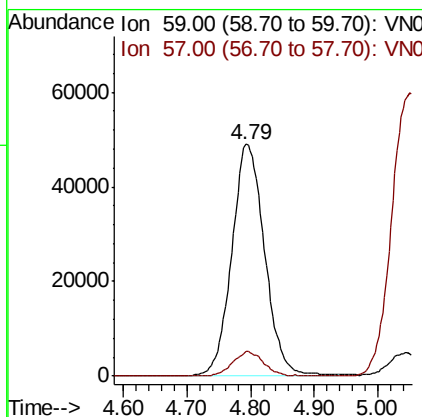
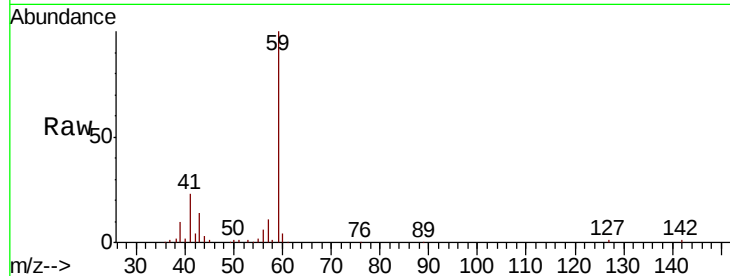
#11
Tert butyl alcohol
Concen: 305.15 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-DMSD

Tot Ion	59	Resp	176293
Ion Ratio	100	Lower	Upper
57	9.9	8.1	12.1

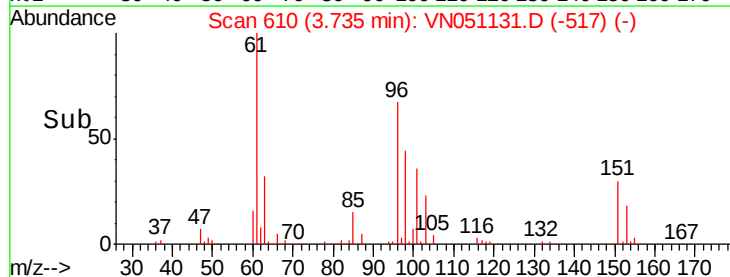
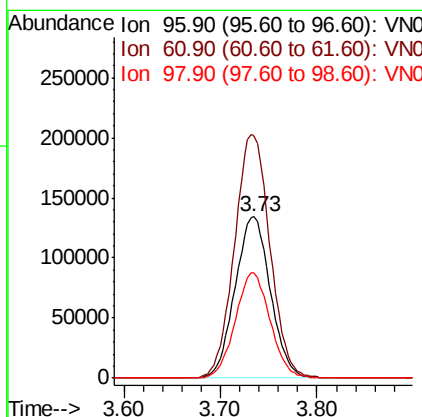
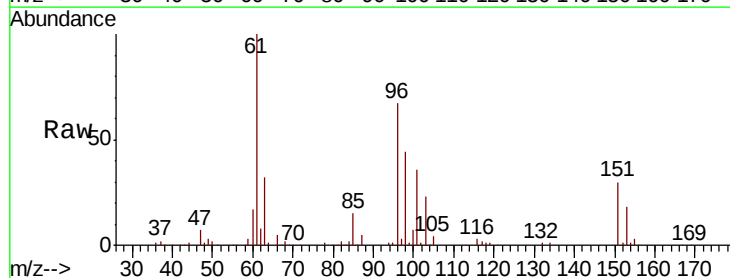
Manual Integrations
APPROVED

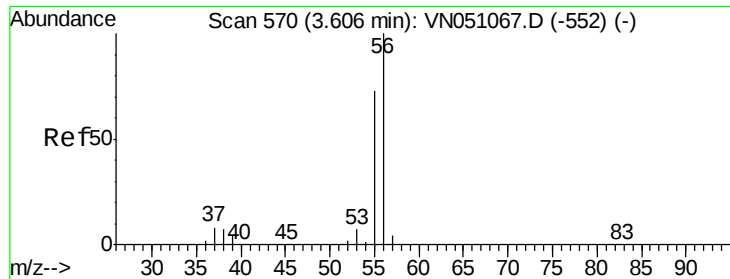
MMDadoda
9/12/2018 10:07:18 AM



#12
1,1-Dichloroethene
Concen: 47.24 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	96	Resp	342451
Ion Ratio	100	Lower	Upper
61	149.9	120.3	180.5
98	65.3	50.8	76.2





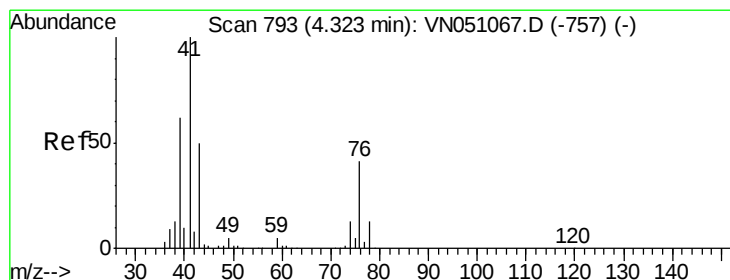
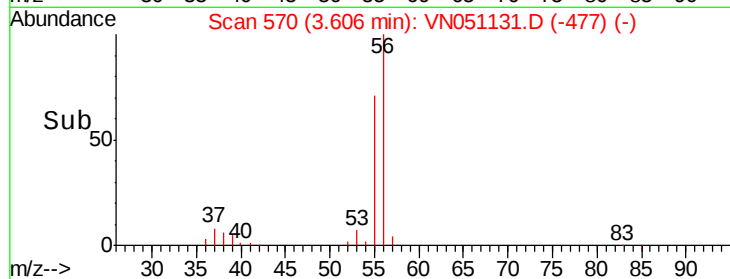
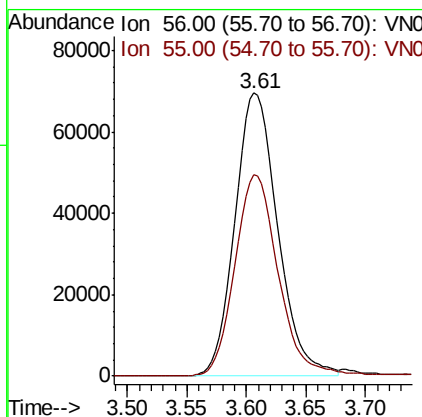
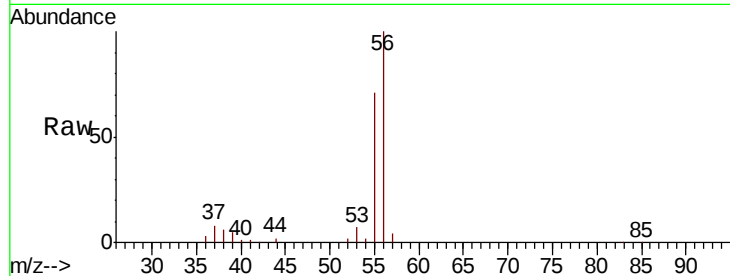
#13
 Acrolein
 Concen: 246.89 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	56	55	Ratio	Lower	Upper
173864	100	72.3		58.0	87.0

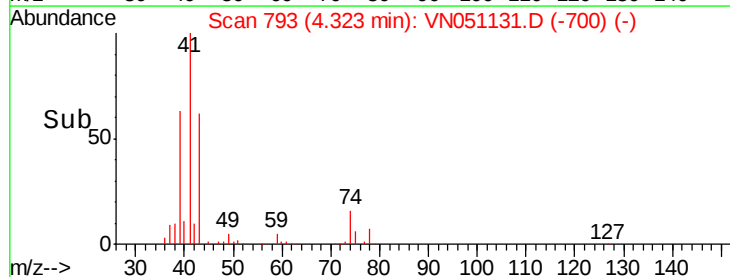
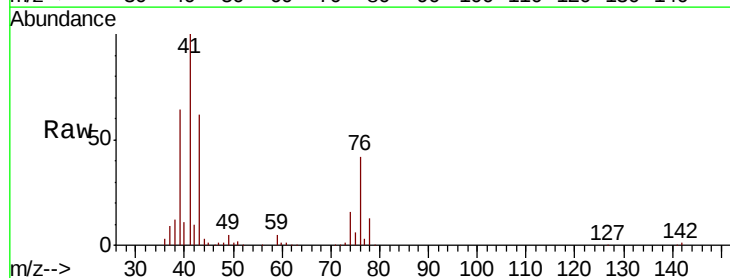
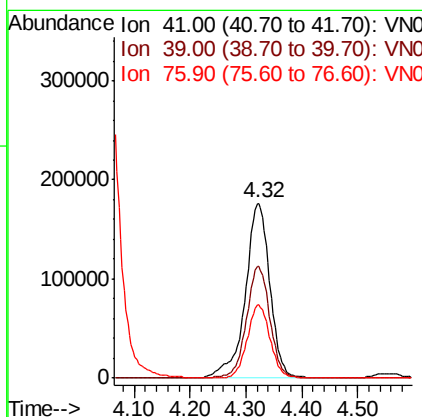
Manual Integrations
 APPROVED

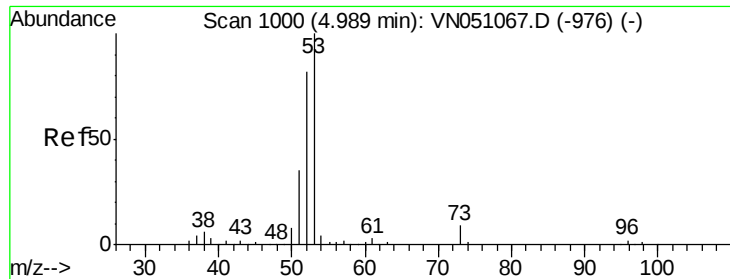
MMDadoda
 9/12/2018 10:07:18 AM



#14
 Allyl chloride
 Concen: 49.12 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	41	39	76	Ratio	Lower	Upper
542586	100	60.5	37.9		48.8	73.2
					30.6	45.8





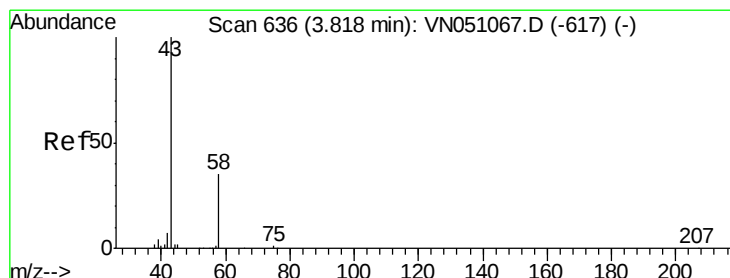
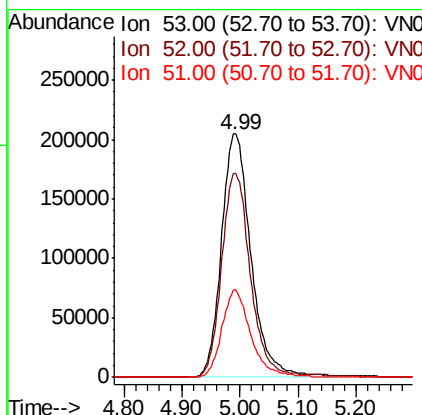
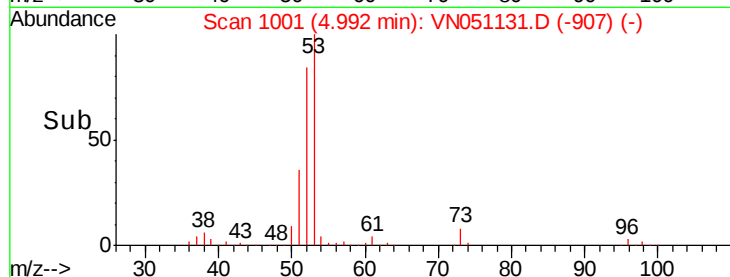
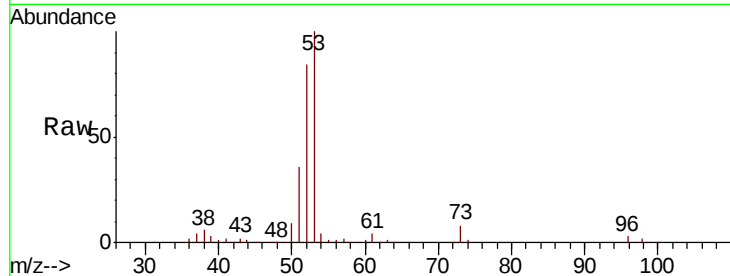
#15
 Acrylonitrile
 Concen: 283.30 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.2	28.2	42.2

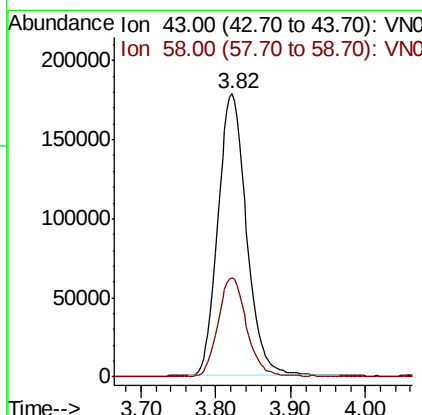
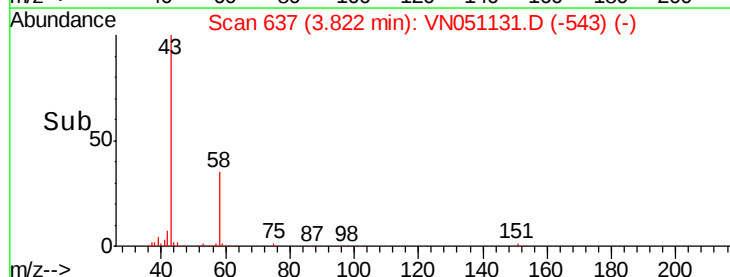
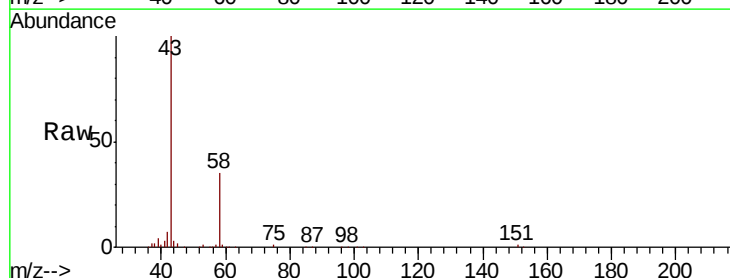
Manual Integrations
 APPROVED

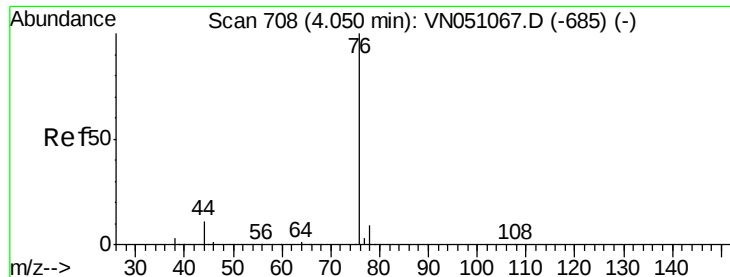
MMDadoda
 9/12/2018 10:07:18 AM



#16
 Acetone
 Concen: 251.48 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.8	41.6





#17

Carbon Disulfide

Concen: 47.26 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion: 76 Resp: 1009579

Ion Ratio Lower Upper

76 100

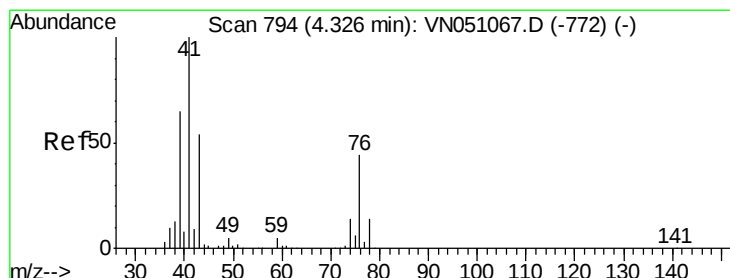
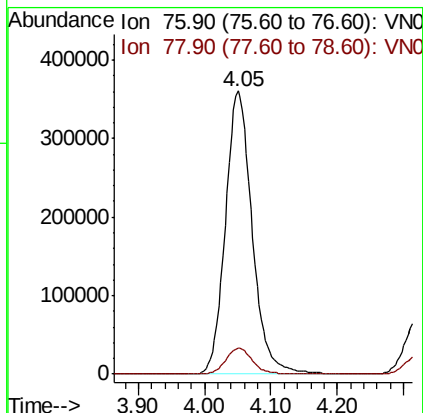
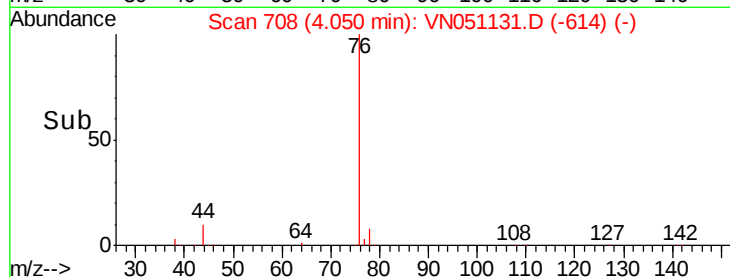
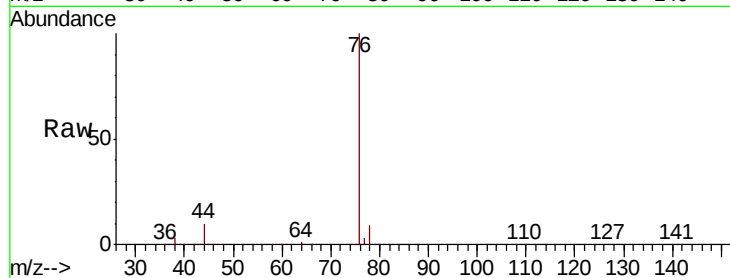
78 9.1 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:07:18 AM



#18

Methyl Acetate

Concen: 53.68 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051131.D

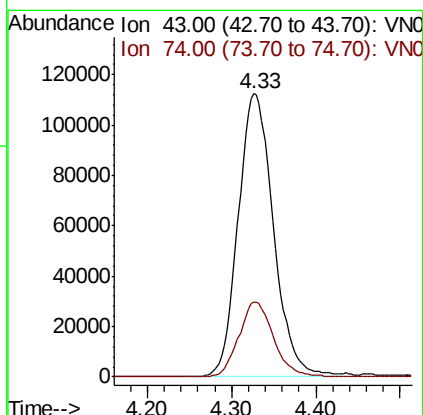
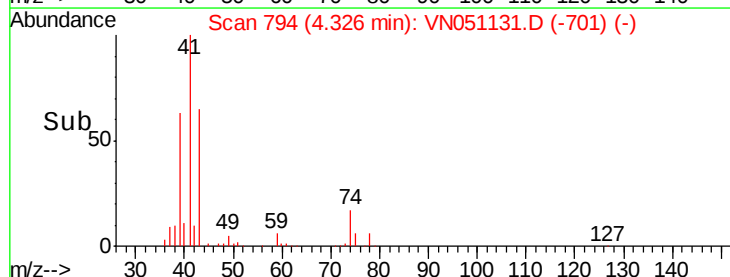
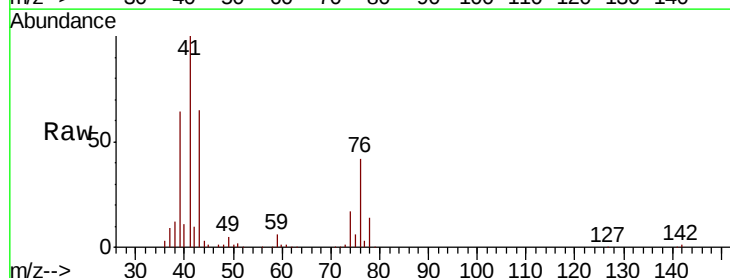
Acq: 11 Sep 2018 16:51

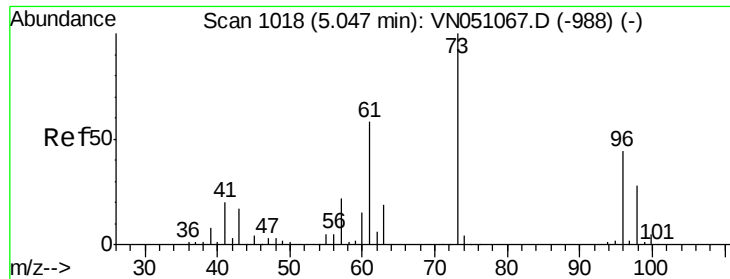
Tgt Ion: 43 Resp: 325161

Ion Ratio Lower Upper

43 100

74 26.4 20.7 31.1





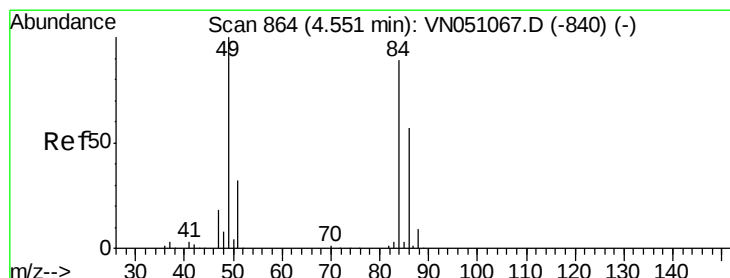
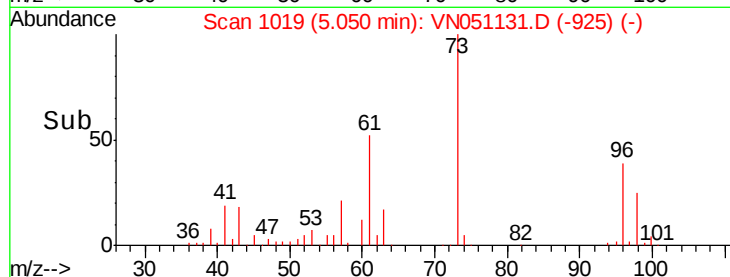
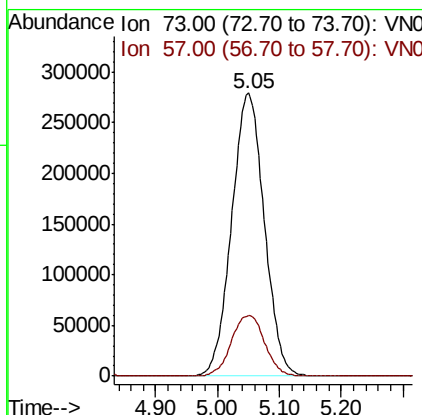
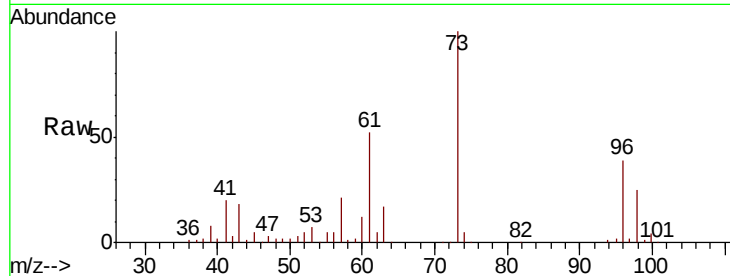
#19
Methvl tert-butvl Ether
Concen: 53.32 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion: 73 Resp: 1021798
Ion Ratio Lower Upper
73 100
57 21.4 17.9 26.9

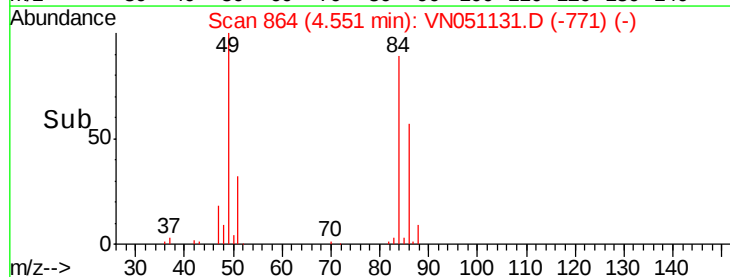
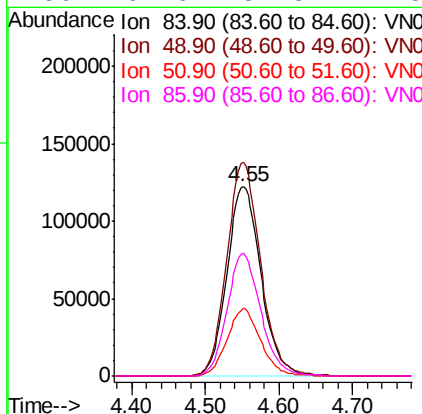
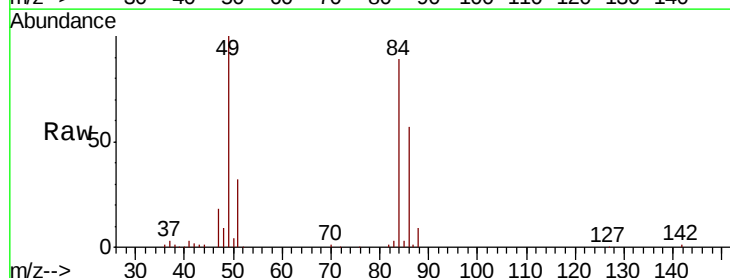
Manual Integrations
APPROVED

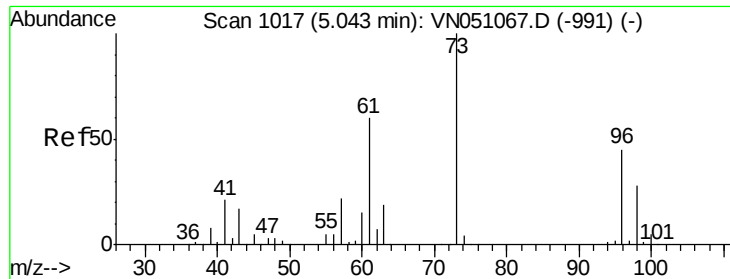
MMDadoda
9/12/2018 10:07:18 AM



#20
Methylene Chloride
Concen: 47.07 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion: 84 Resp: 393235
Ion Ratio Lower Upper
84 100
49 112.7 90.2 135.2
51 35.6 28.4 42.6
86 64.6 51.8 77.8





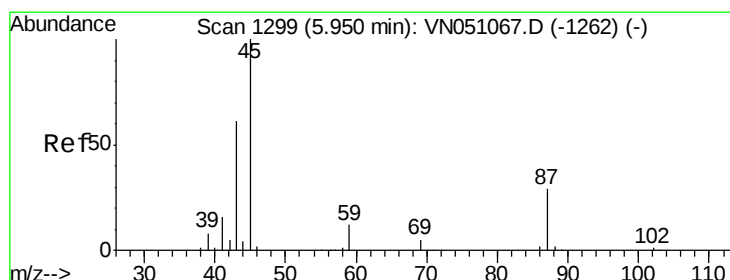
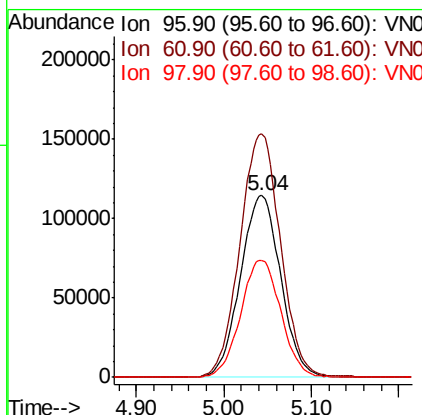
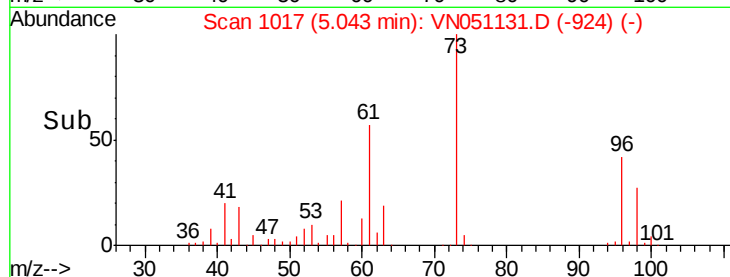
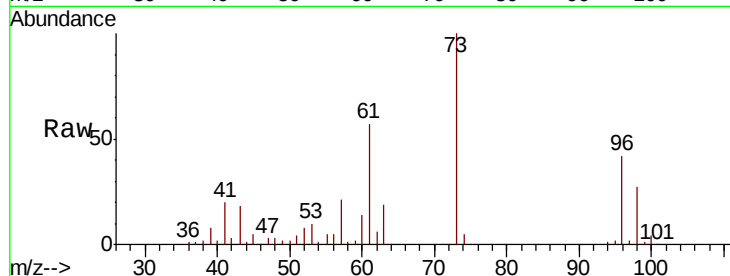
#21
trans-1,2-Dichloroethene
Concen: 46.53 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	106.5	159.7
98	64.5	50.4	75.6

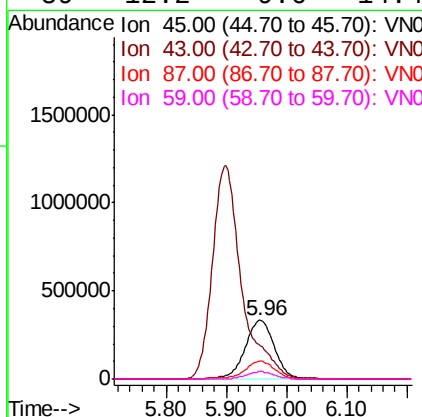
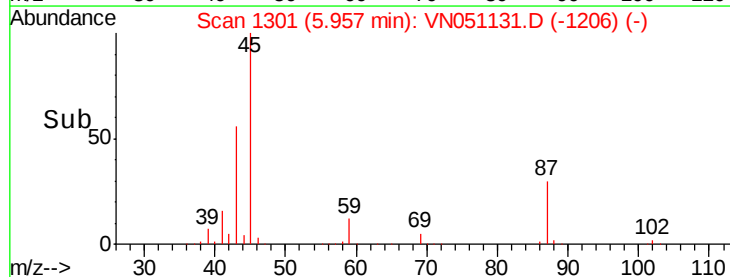
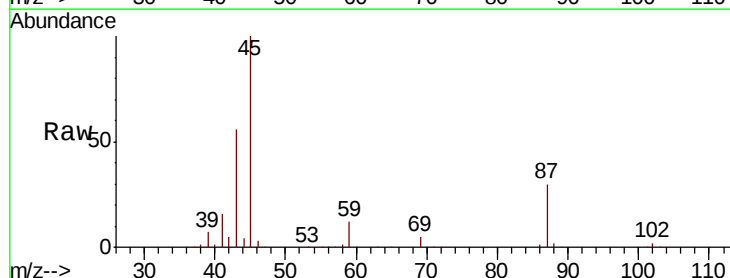
Manual Integrations
APPROVED

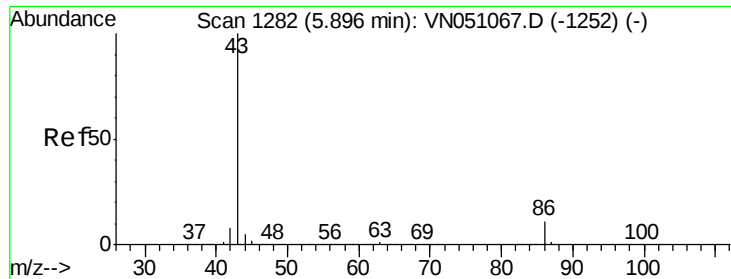
MMDadoda
9/12/2018 10:07:18 AM



#22
Diisopropyl ether
Concen: 51.74 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.8	73.2
87	30.2	23.8	35.8
59	12.2	9.6	14.4





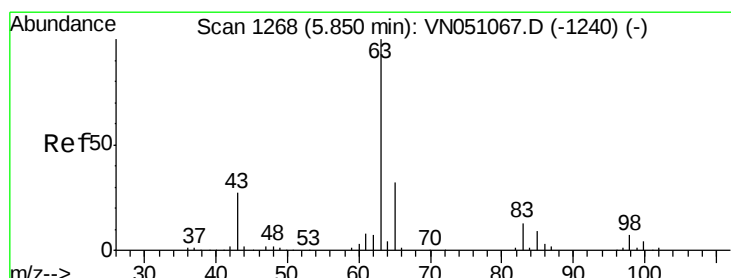
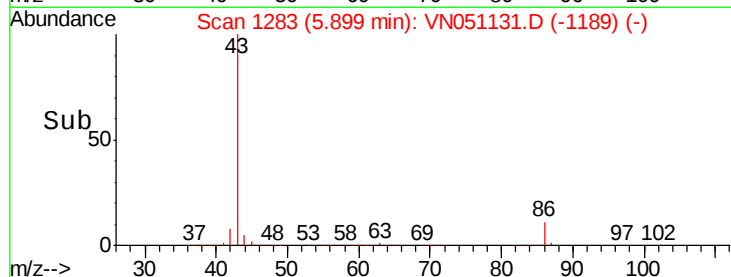
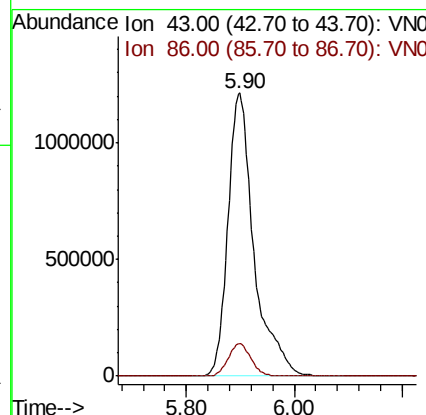
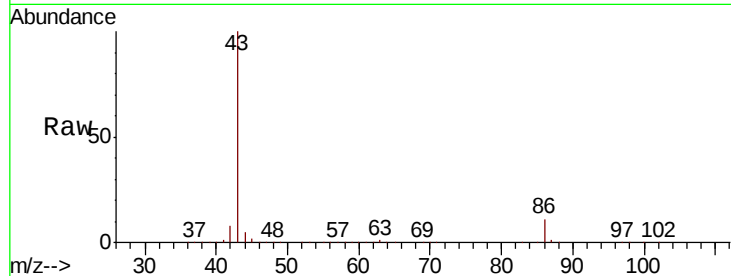
#23
 Vinyl Acetate
 Concen: 274.03 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-DMSD

Tot Ion: 43 Resp: 4065962
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8

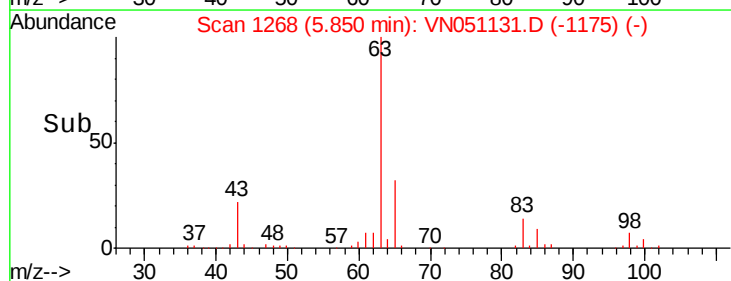
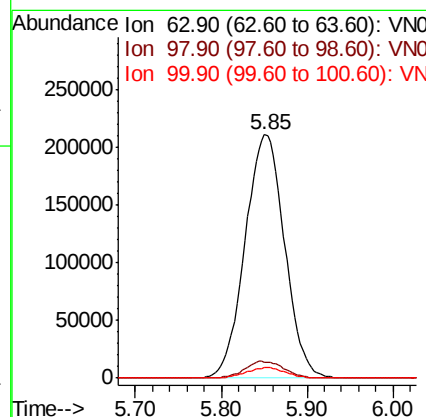
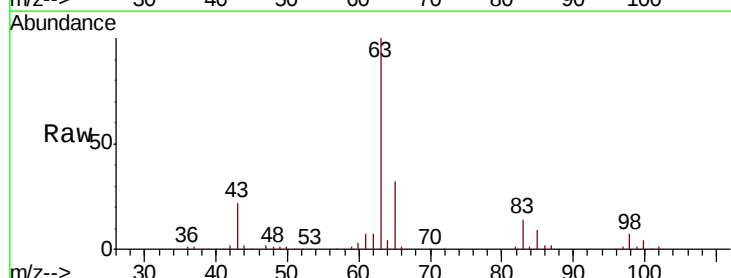
Manual Integrations
 APPROVED

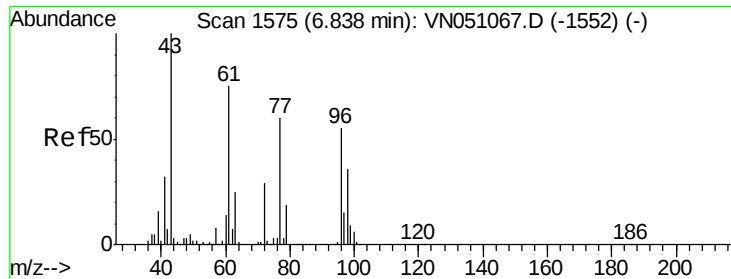
MMDadoda
 9/12/2018 10:07:18 AM



#24
 1,1-Dichloroethane
 Concen: 48.41 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion: 63 Resp: 673403
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.2 2.1 6.3





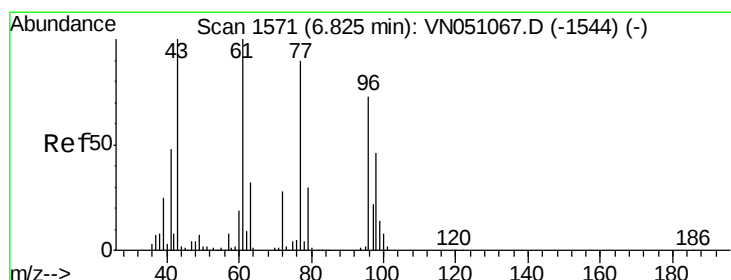
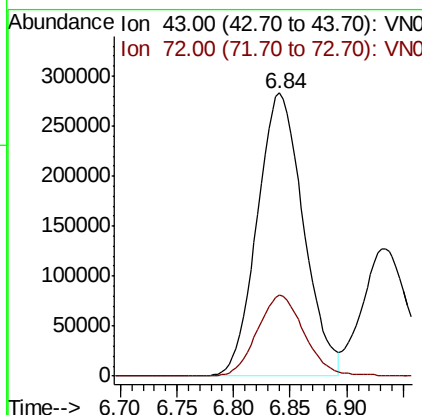
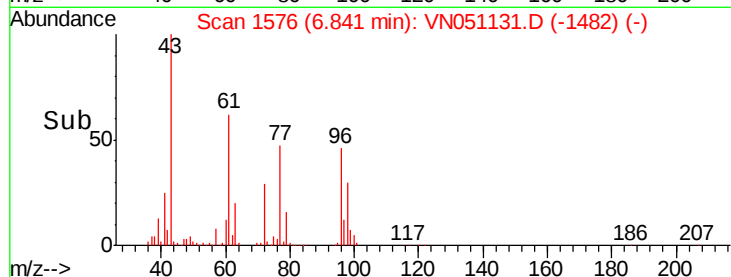
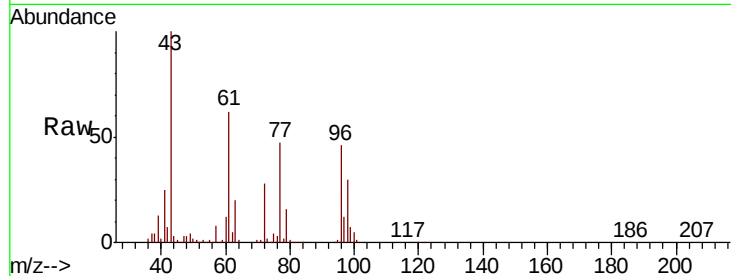
#25
2-Butanone
Concen: 269.31 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion: 43 Resp: 800856
Ion Ratio Lower Upper
43 100
72 28.5 23.0 34.6

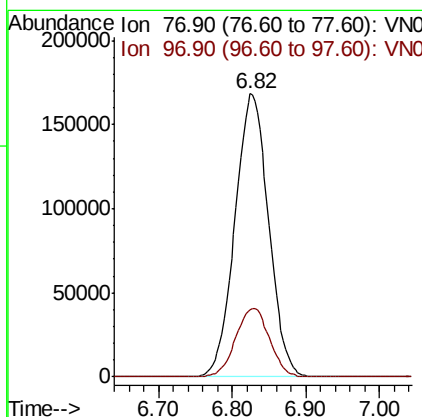
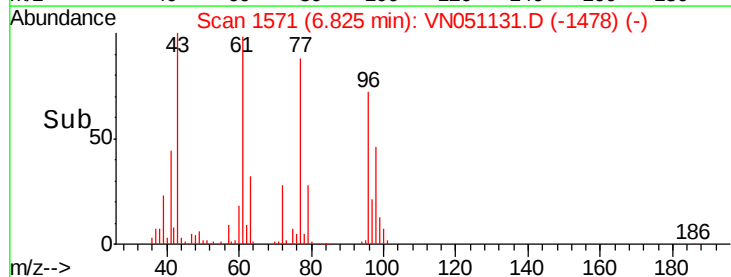
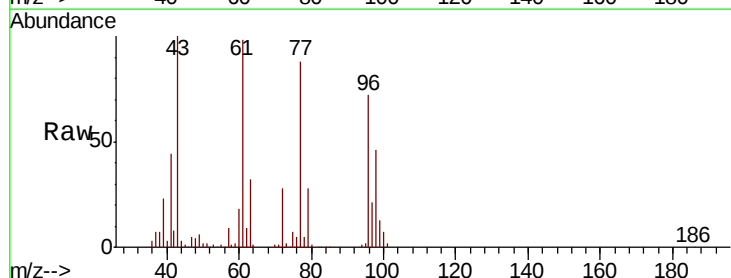
Manual Integrations
APPROVED

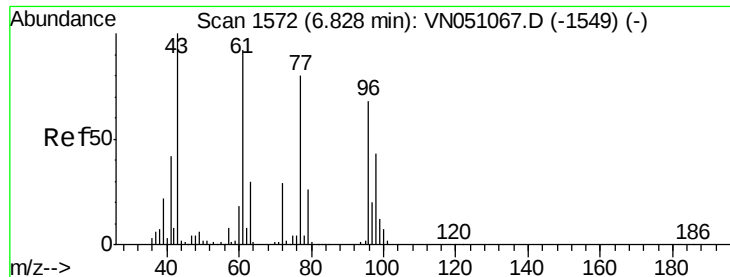
MMDadoda
9/12/2018 10:07:18 AM



#26
2,2-Dichloropropane
Concen: 46.87 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion: 77 Resp: 533616
Ion Ratio Lower Upper
77 100
97 24.5 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.83 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

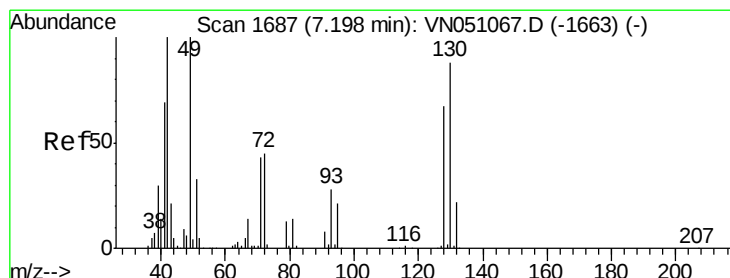
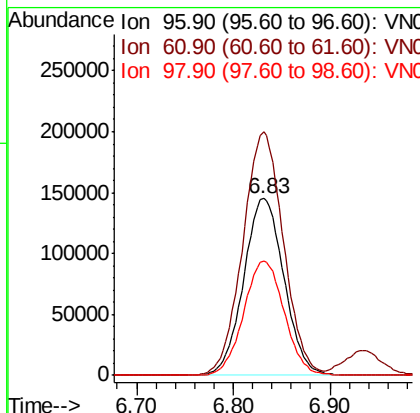
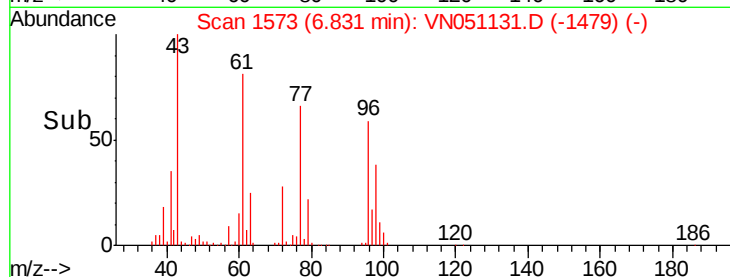
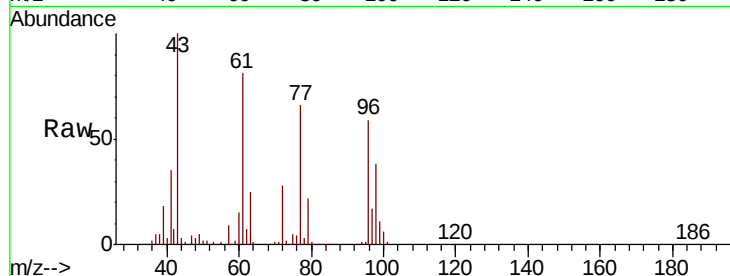
ClientSampleId :

EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	278.2
98	65.1	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM



#28

Bromochloromethane

Concen: 50.81 ug/l

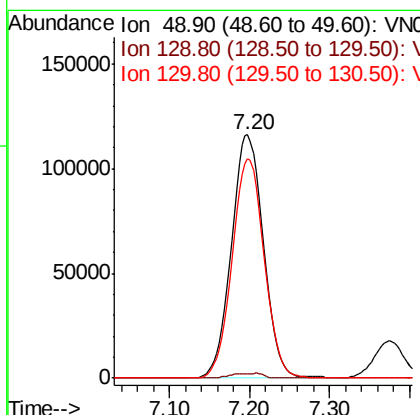
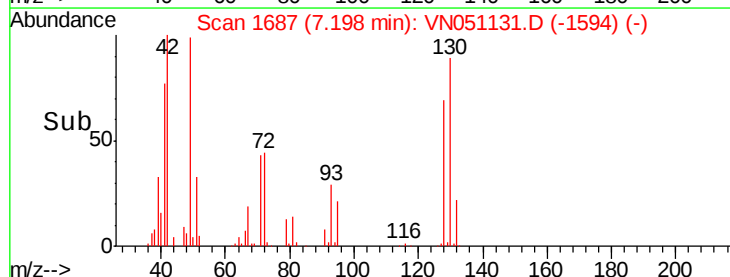
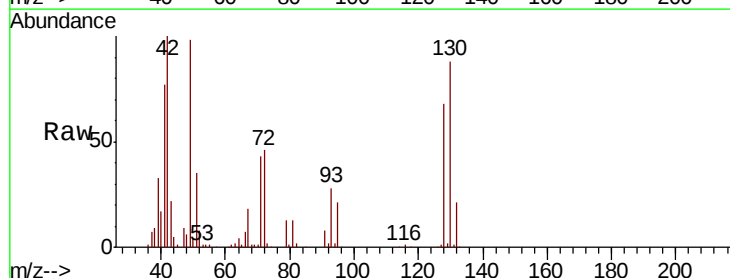
RT: 7.20 min Scan# 1687

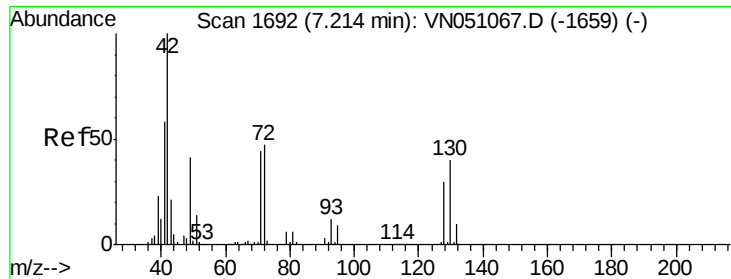
Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	89.8	70.7	106.1





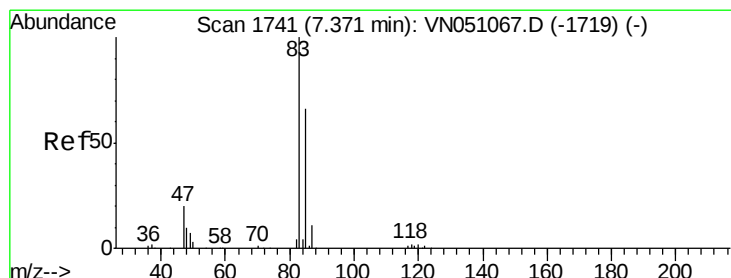
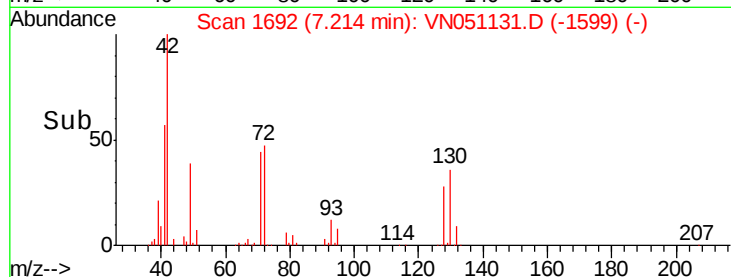
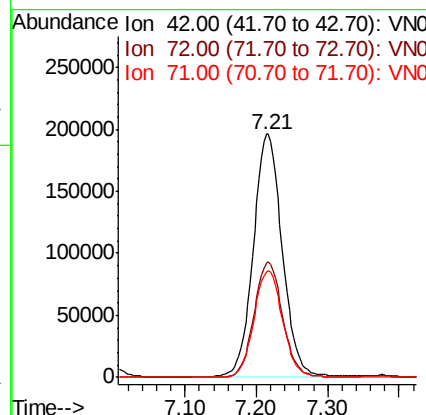
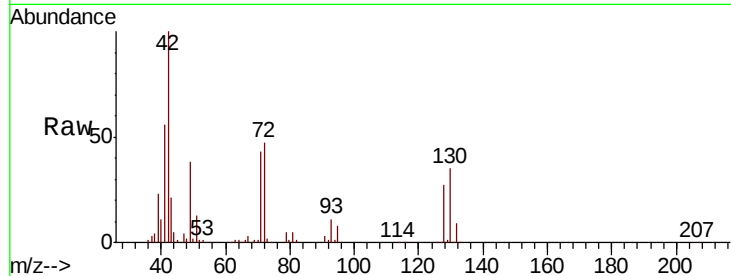
#29
Tetrahydrofuran
Concen: 297.17 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	43.6	34.7	52.1

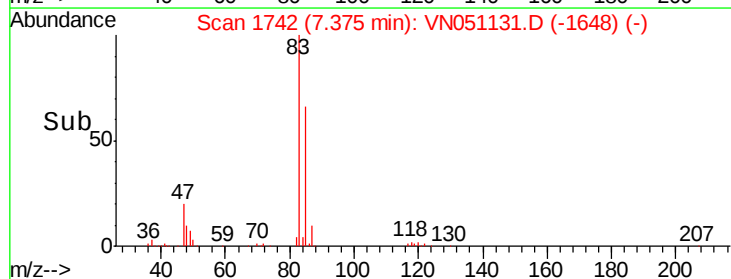
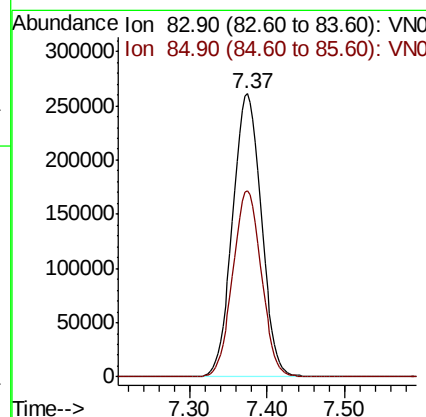
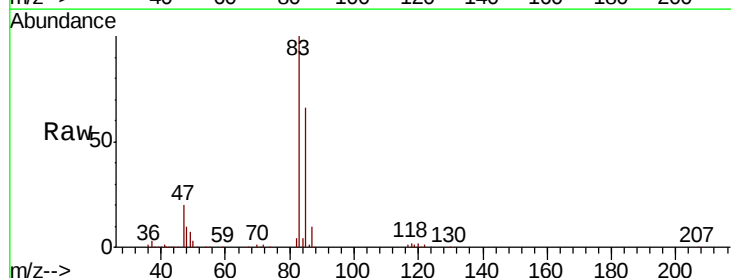
Manual Integrations
APPROVED

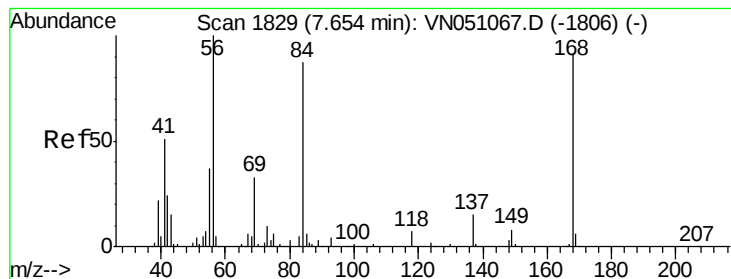
MMDadoda
9/12/2018 10:07:18 AM



#30
Chloroform
Concen: 48.61 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 48.76 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion: 56 Resp: 604839

Ion Ratio Lower Upper

56 100

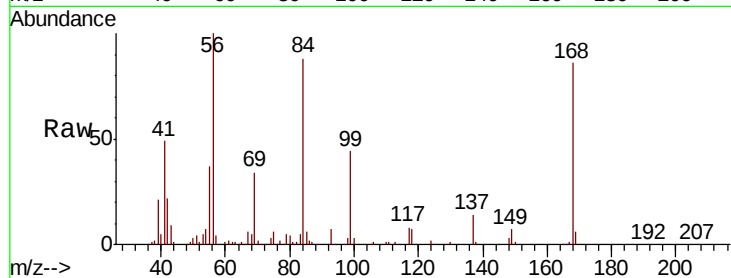
69 33.8 26.3 39.5

84 86.5 69.4 104.0

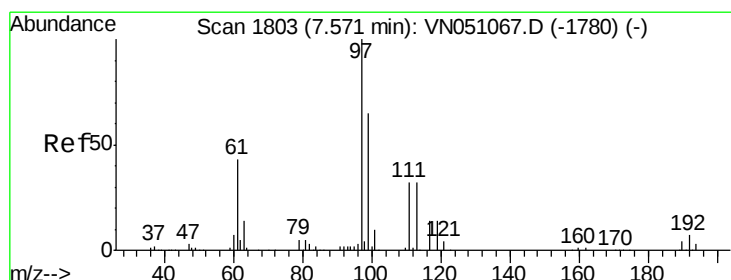
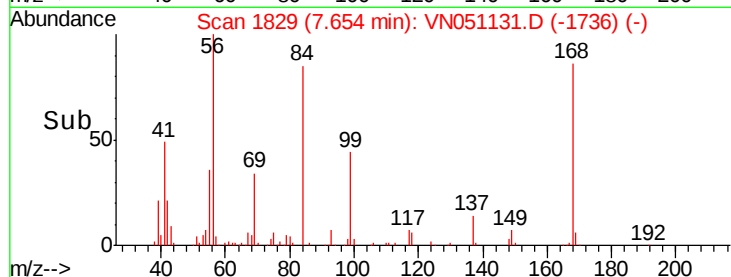
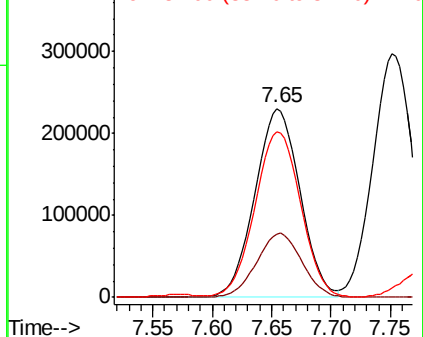
Manual Integrations
APPROVED

MMDadoda

9/12/2018 10:07:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.07 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

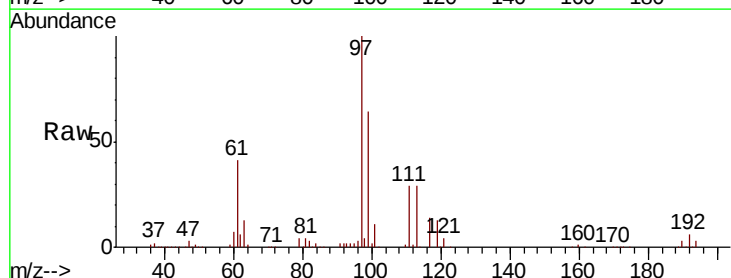
Tgt Ion: 97 Resp: 578615

Ion Ratio Lower Upper

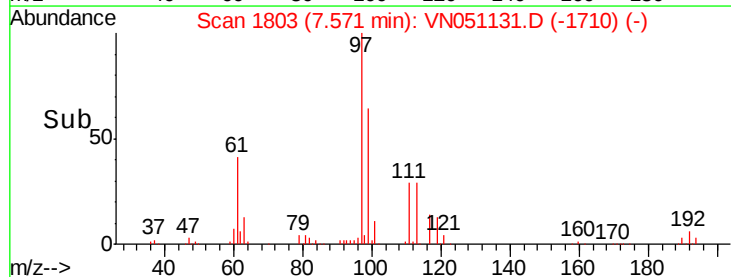
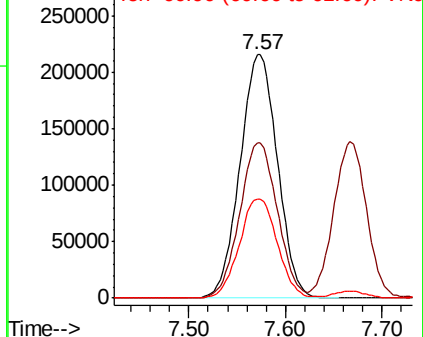
97 100

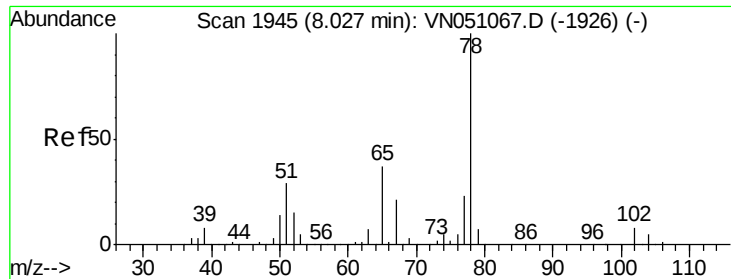
99 64.4 51.6 77.4

61 41.4 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





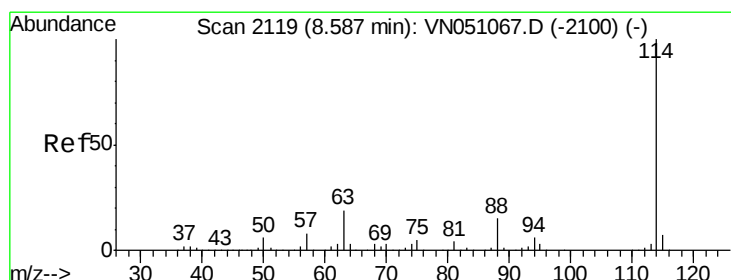
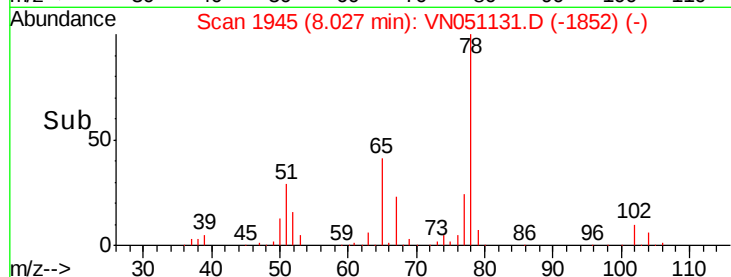
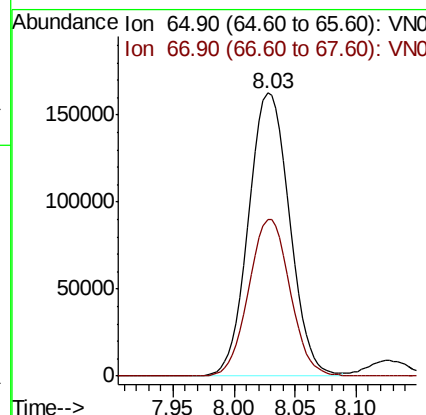
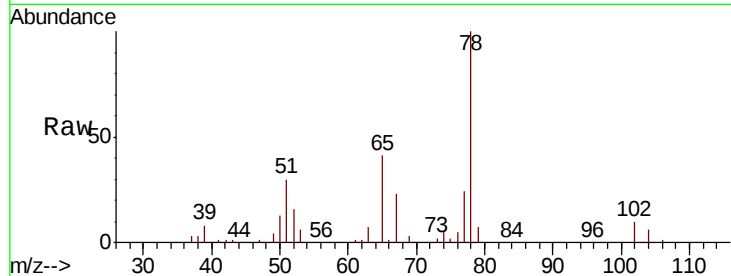
#33
 1,2-Dichloroethane-d4
 Concen: 50.18 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	379564		
67	55.7	0.0	112.0	

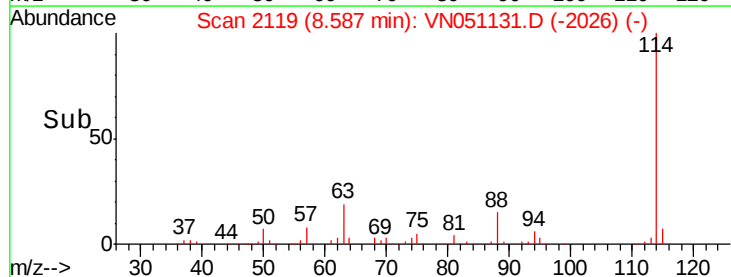
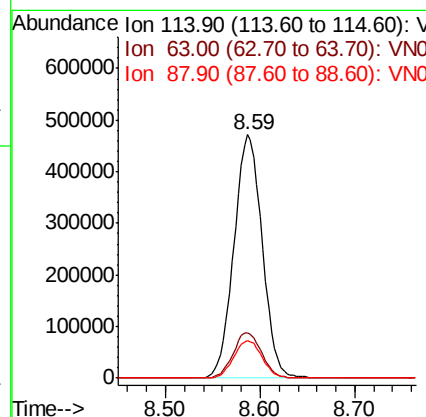
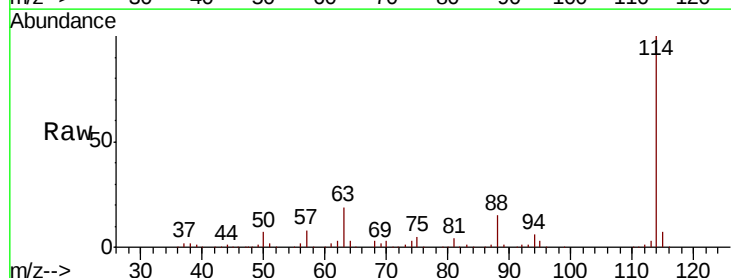
Manual Integrations
 APPROVED

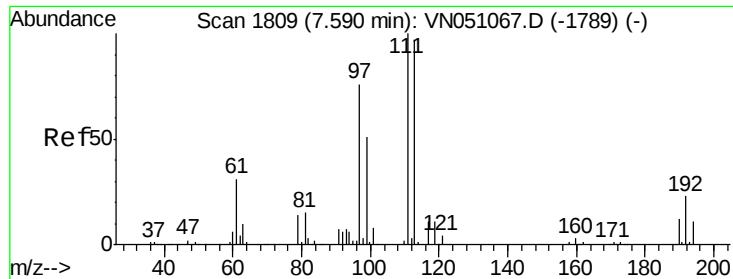
MMDadoda
 9/12/2018 10:07:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	978305		
63	18.6	0.0	37.8	
88	15.2	0.0	30.8	





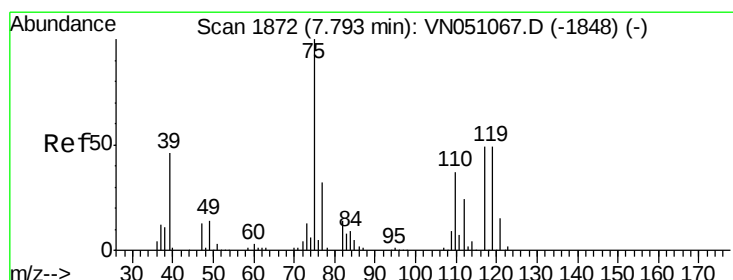
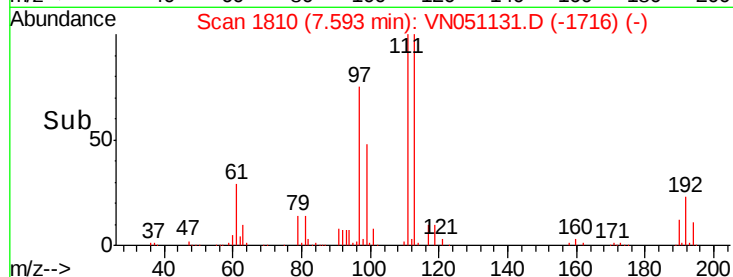
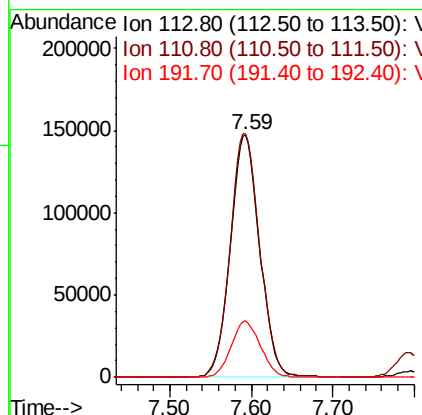
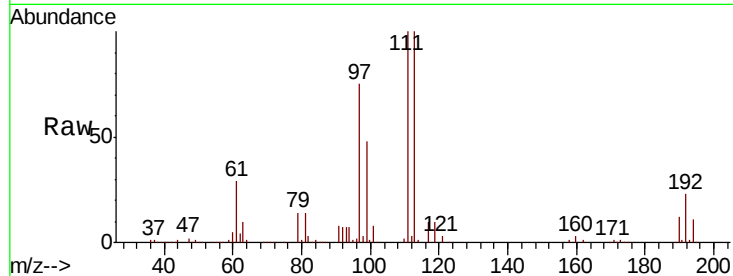
#35
 Dibromofluoromethane
 Concen: 50.44 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	83.0	124.6	
192	23.2	18.7	28.1	

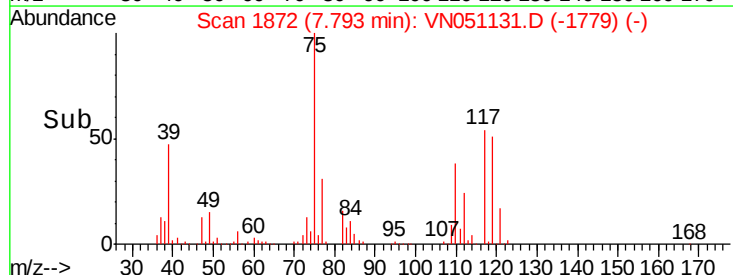
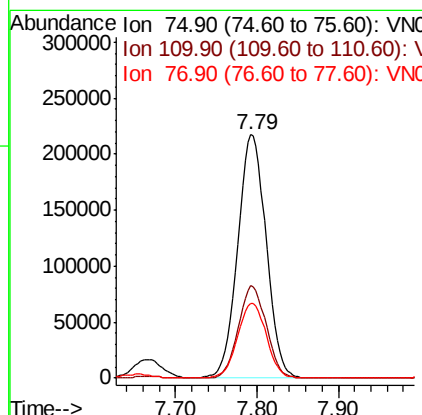
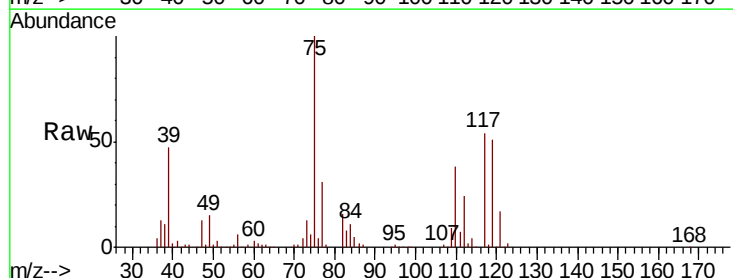
Manual Integrations
 APPROVED

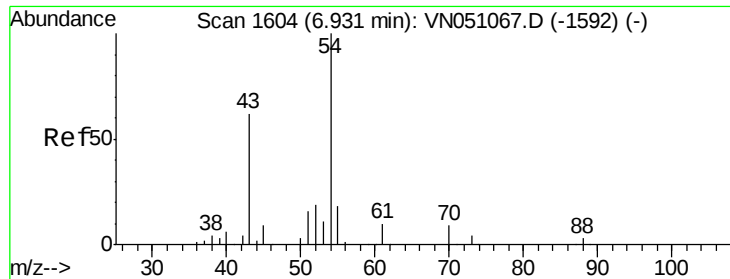
MMDadoda
 9/12/2018 10:07:18 AM



#36
 1,1-Dichloropropene
 Concen: 48.89 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.6	55.8	
77	31.3	25.2	37.8	





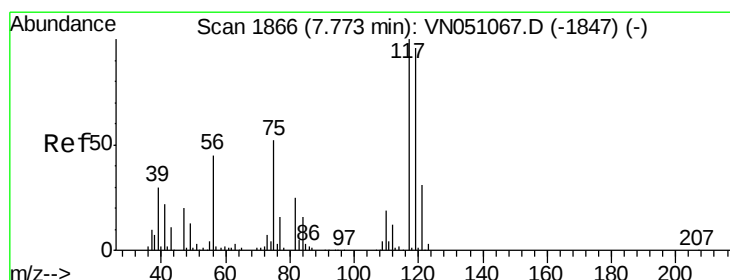
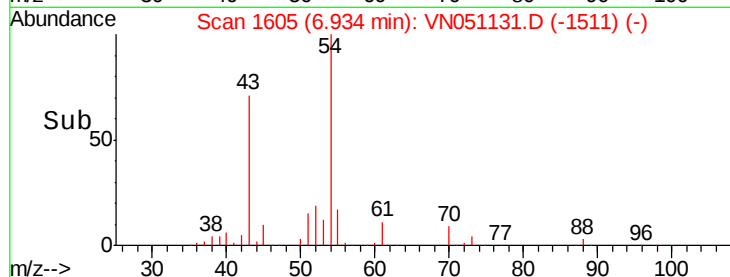
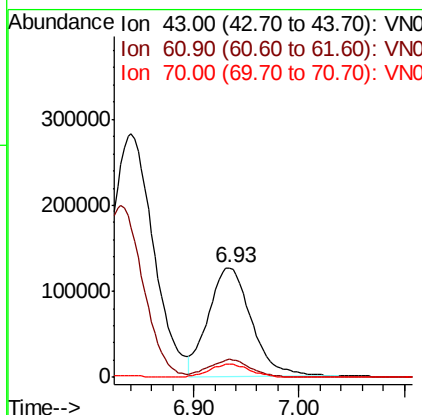
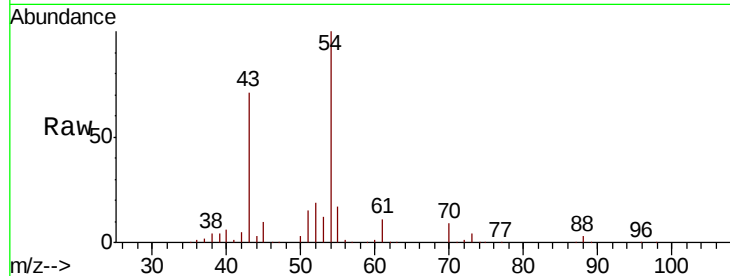
#37
Ethyl Acetate
Concen: 57.49 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	11.7	9.3	13.9

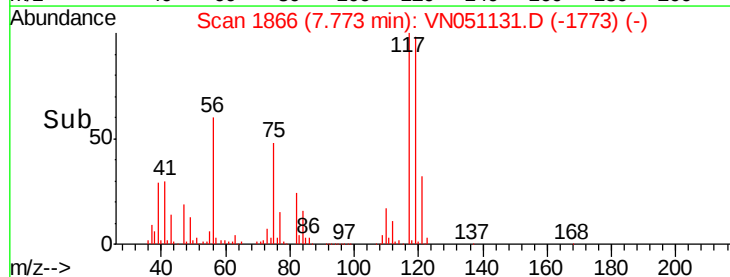
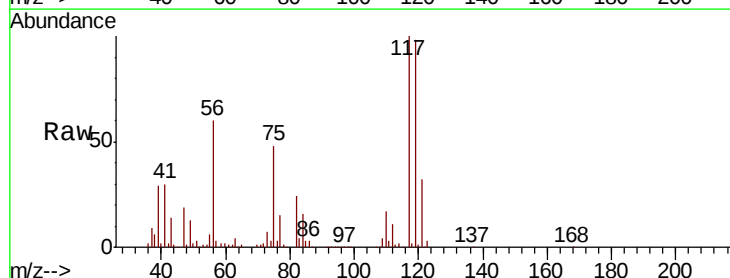
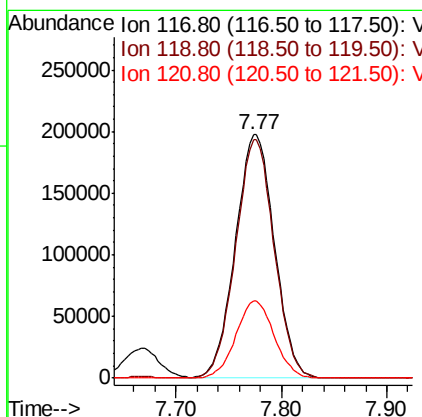
Manual Integrations
APPROVED

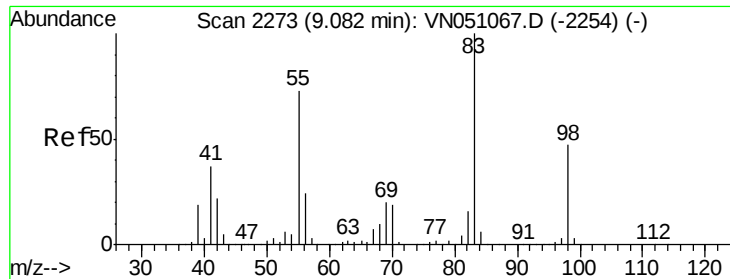
MMDadoda
9/12/2018 10:07:18 AM



#38
Carbon Tetrachloride
Concen: 47.96 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.8	115.2
121	31.6	24.6	36.8





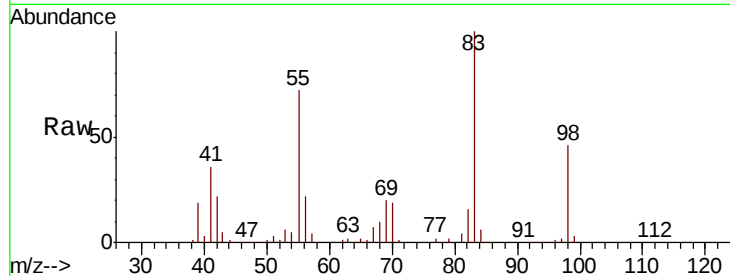
#39
Methvlcvclohexane
Concen: 50.22 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.4	58.4	87.6	
98	46.3	37.3	55.9	

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM

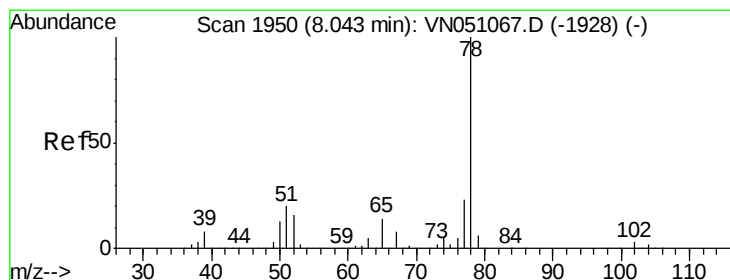
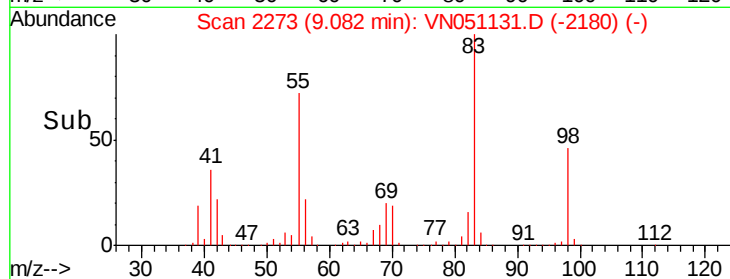
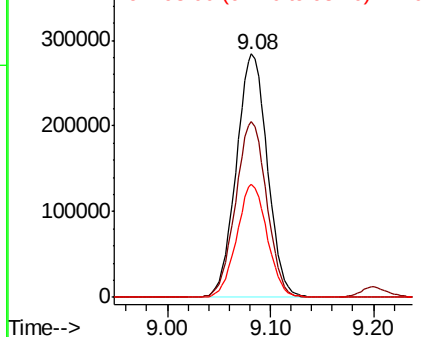


Abundance

Ion 83.00 (82.70 to 83.70): VN0

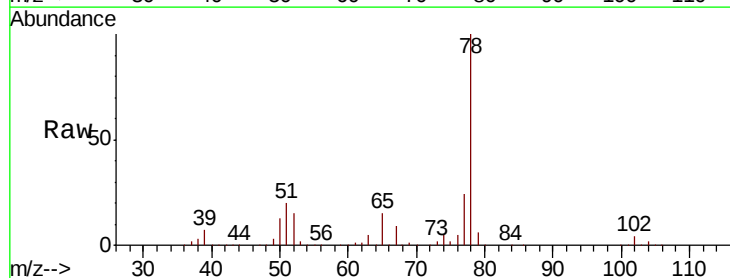
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 49.23 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

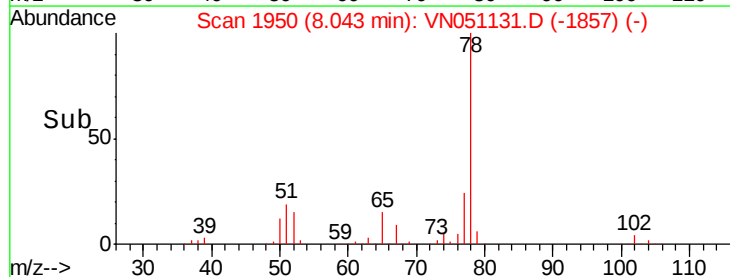
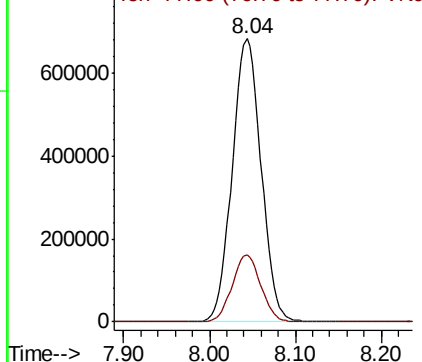
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.6	27.8	

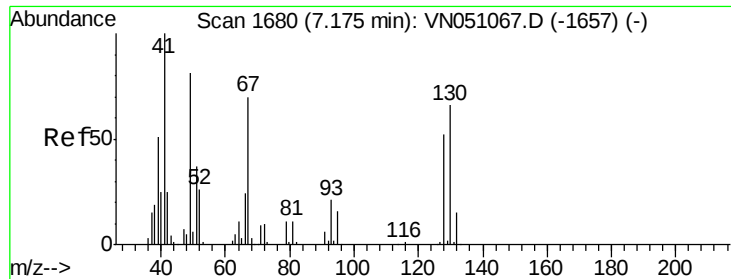


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





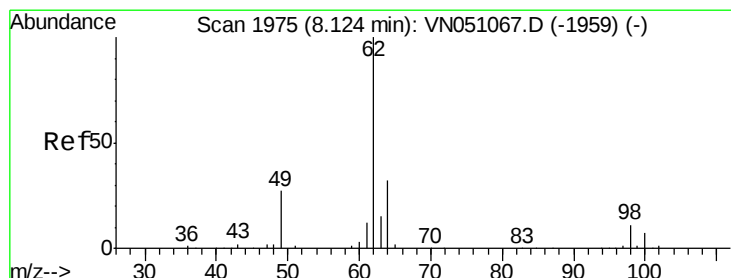
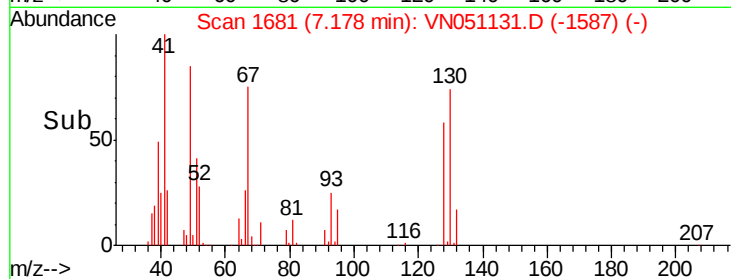
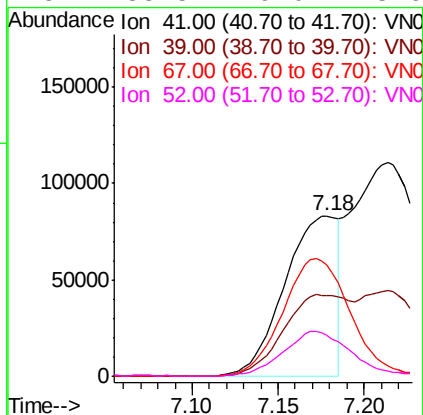
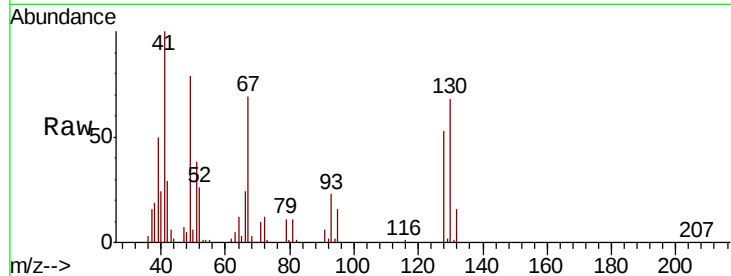
#41
Methacrylonitrile
Concen: 55.50 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.3	76.9
67	94.1	78.5	117.7
52	35.5	29.0	43.6

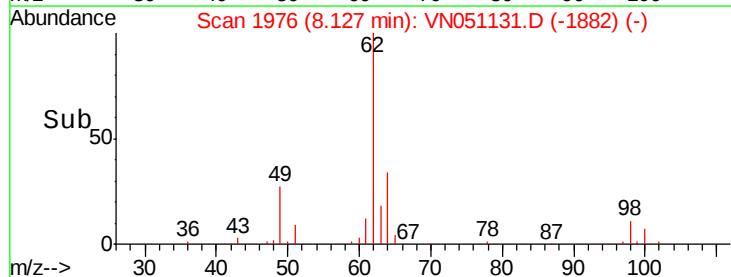
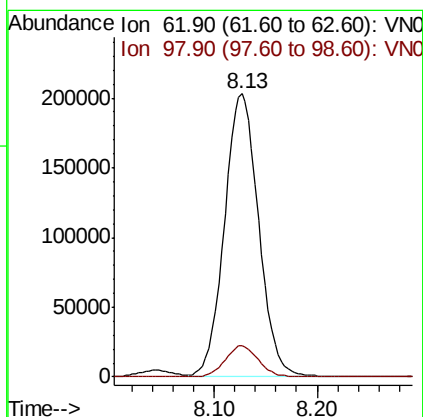
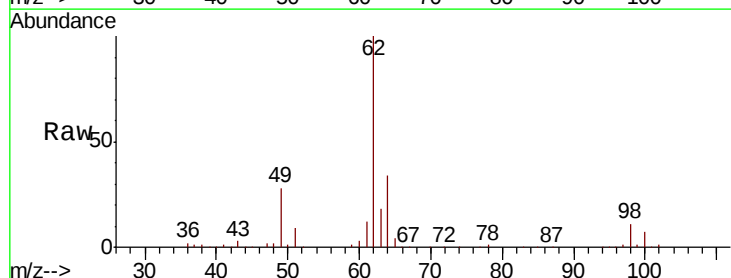
Manual Integrations
APPROVED

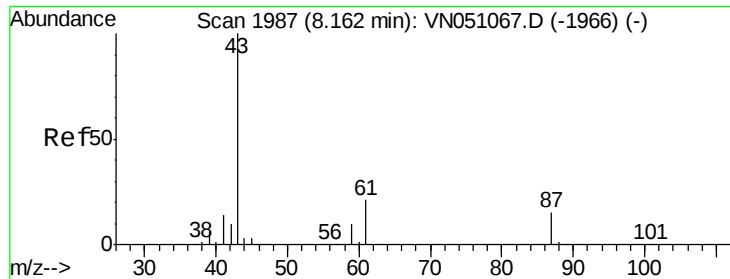
MMDadoda
9/12/2018 10:07:18 AM



#42
1,2-Dichloroethane
Concen: 49.48 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





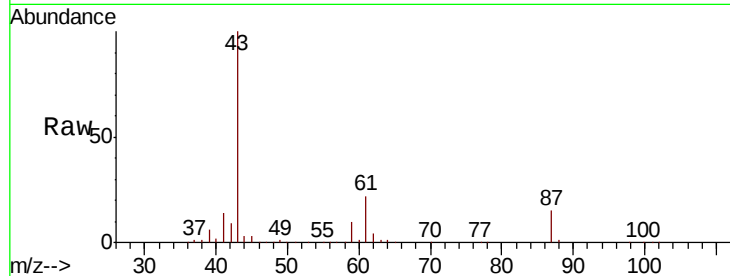
#43
Isopropyl Acetate
Concen: 57.27 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	25.0	37.6
87	14.9	11.8	17.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM

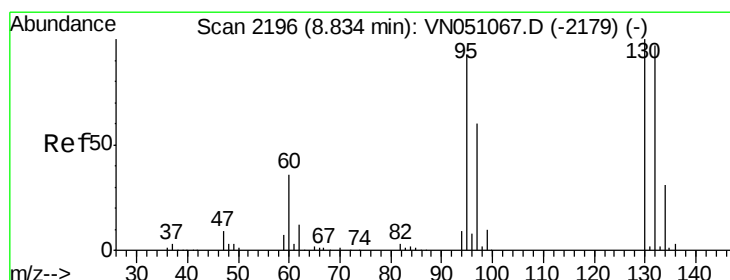
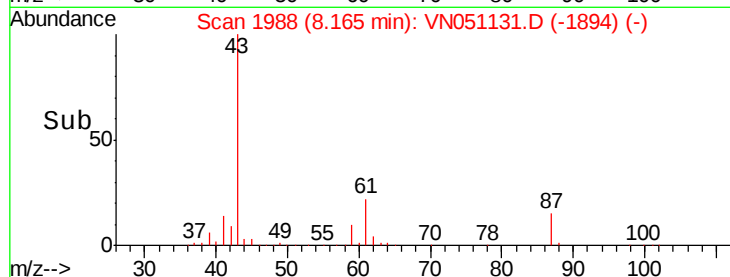
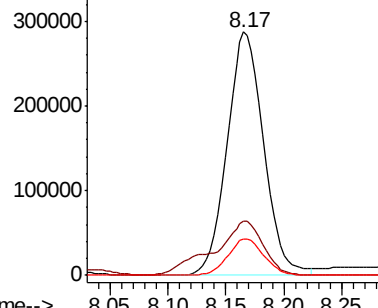


Abundance

Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

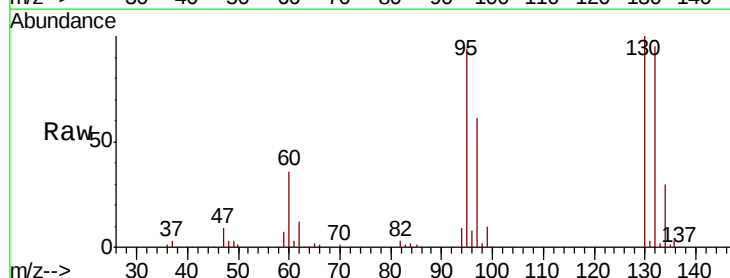
Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44
Trichloroethene
Concen: 48.50 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

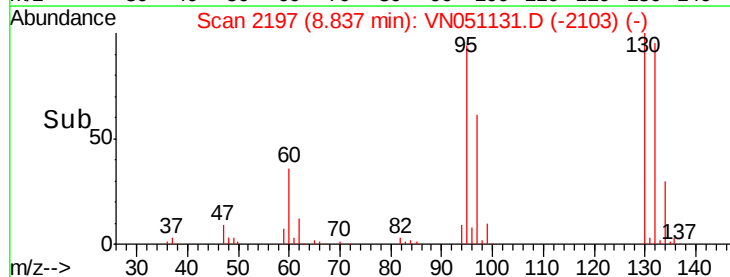
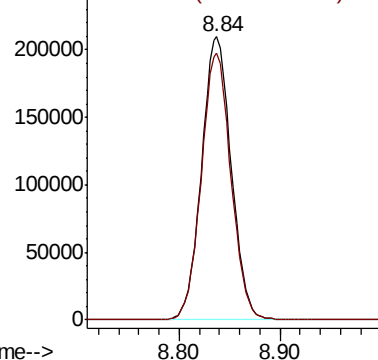
Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	186.2

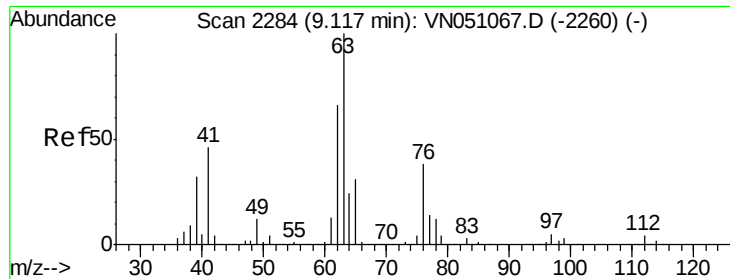


Abundance

Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)





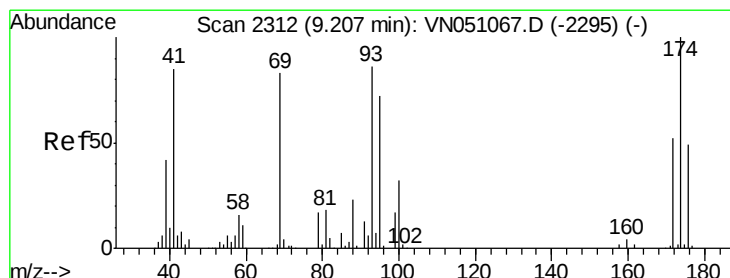
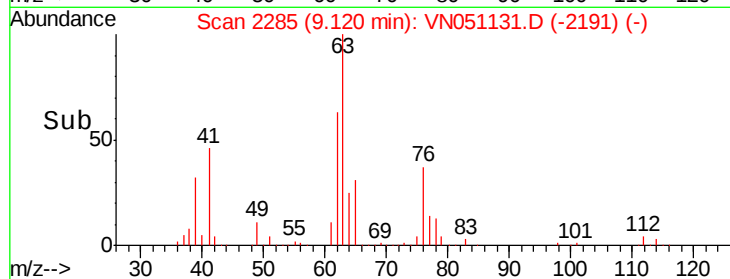
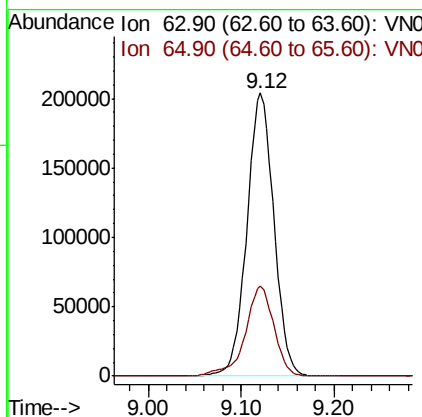
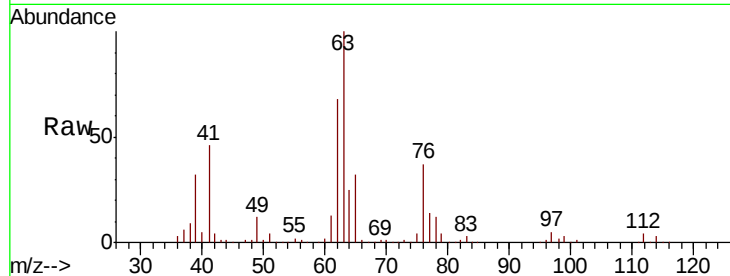
#45
 1,2-Dichloropropane
 Concen: 49.22 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion: 63 Resp: 411654
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1

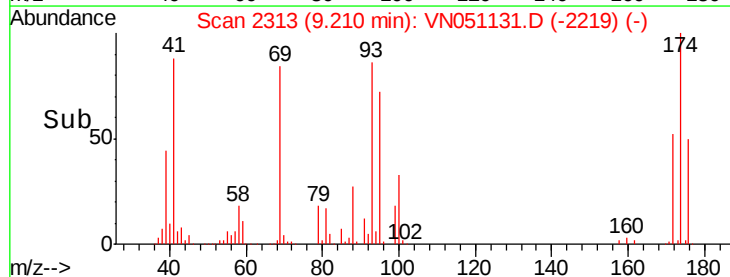
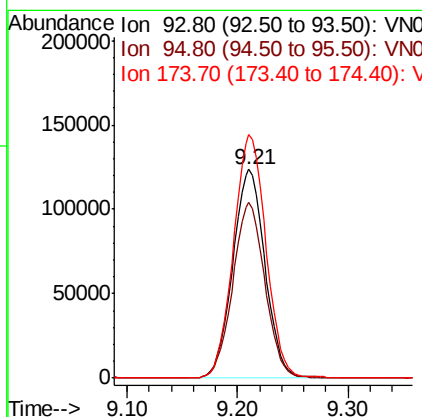
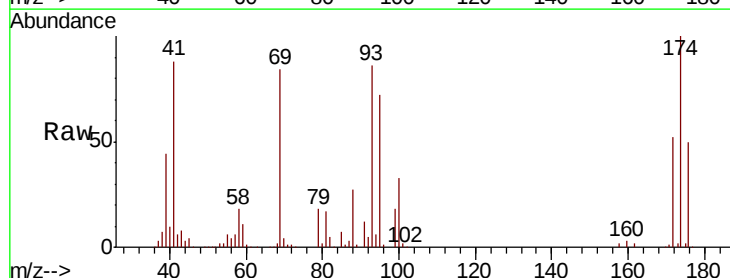
Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:18 AM



#46
 Dibromomethane
 Concen: 49.12 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion: 93 Resp: 250642
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.8 100.2
 174 117.9 93.3 139.9





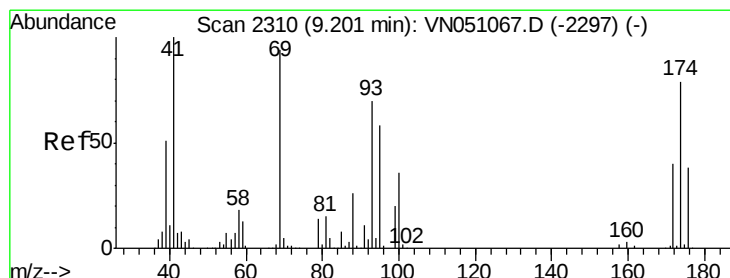
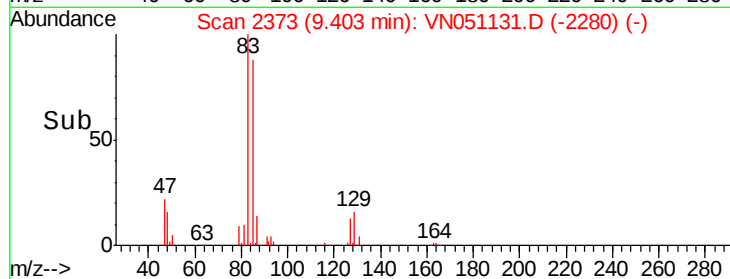
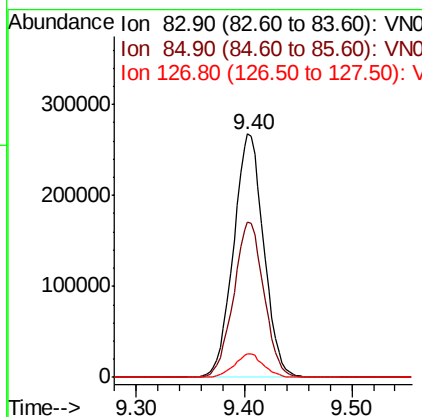
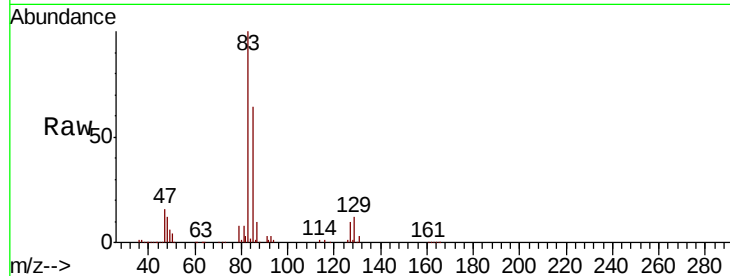
#47
Bromodichloromethane
Concen: 50.31 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5
127	9.7	7.5	11.3

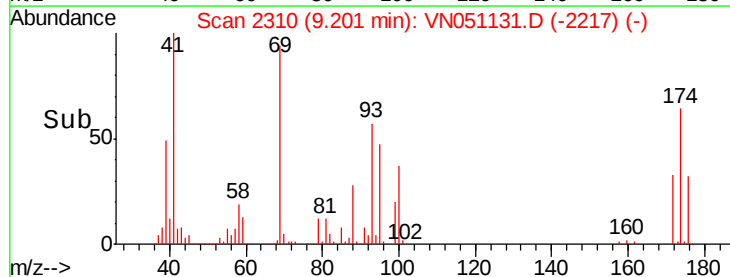
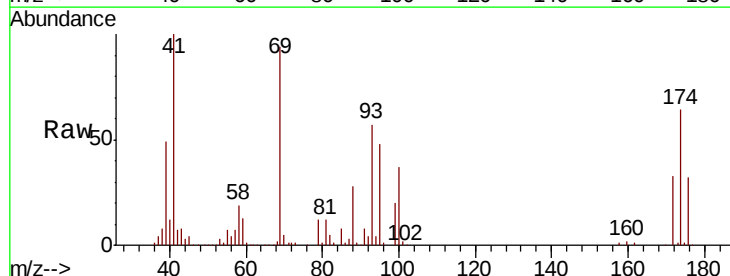
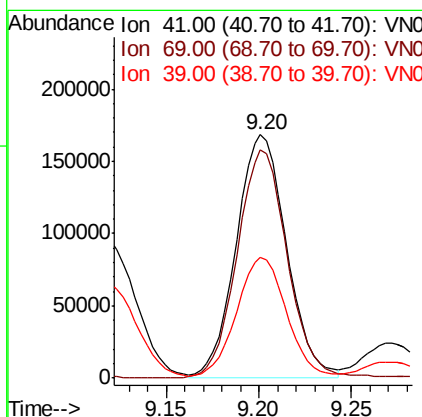
Manual Integrations
APPROVED

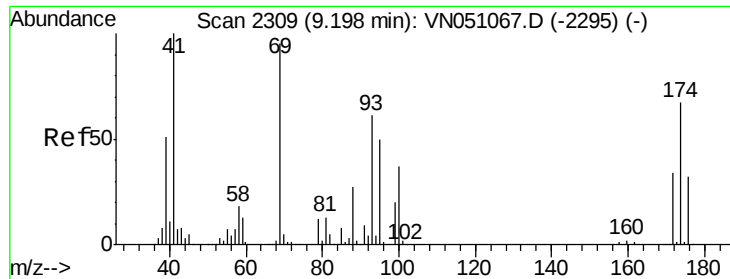
MMDadoda
9/12/2018 10:07:18 AM



#48
Methyl methacrylate
Concen: 59.37 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.6	77.7	116.5
39	49.3	41.6	62.4





#49

1,4-Dioxane

Concen: 1183.51 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

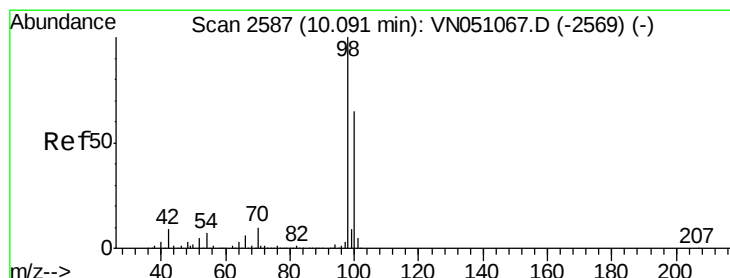
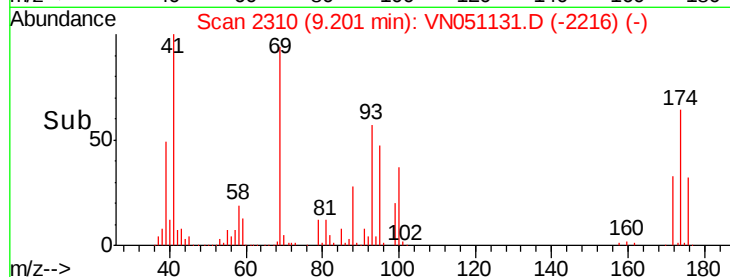
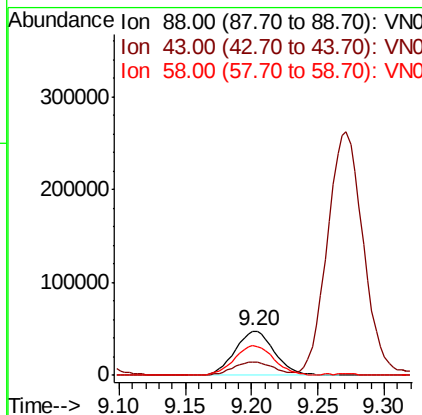
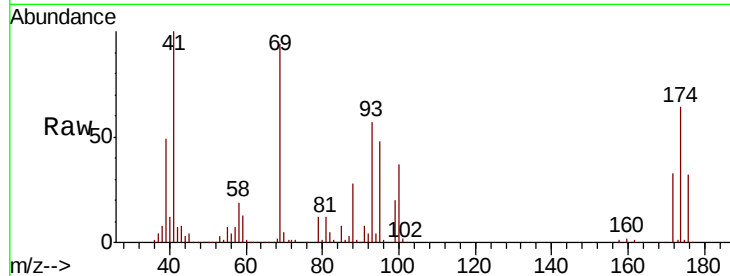
ClientSampleId :

EP1-MW-DMSD

Tot Ion	88	Resp	99272
Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.7	35.5
58	67.1	54.6	82.0

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM



#50

Toluene-d8

Concen: 49.74 ug/l

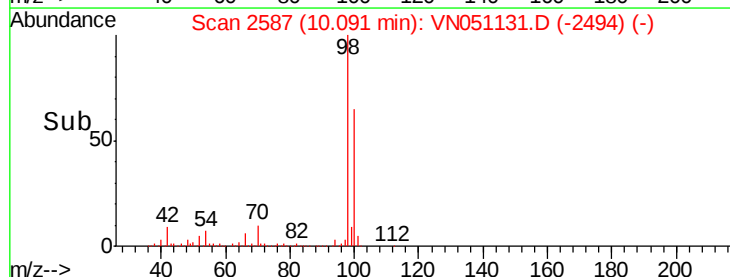
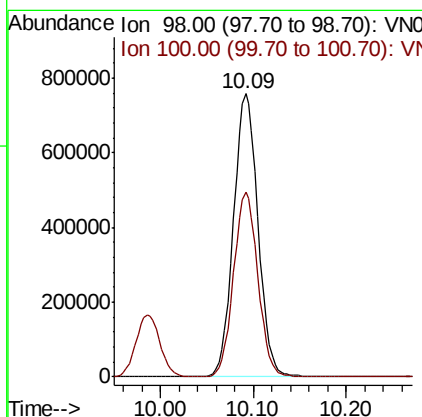
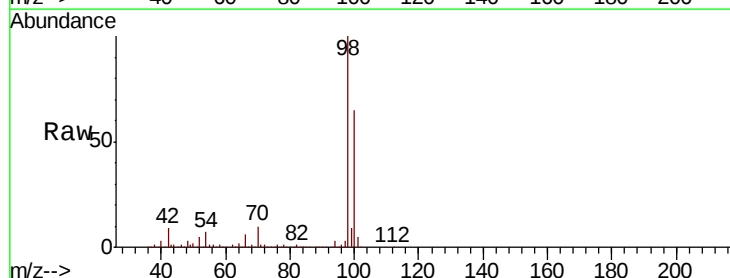
RT: 10.09 min Scan# 2587

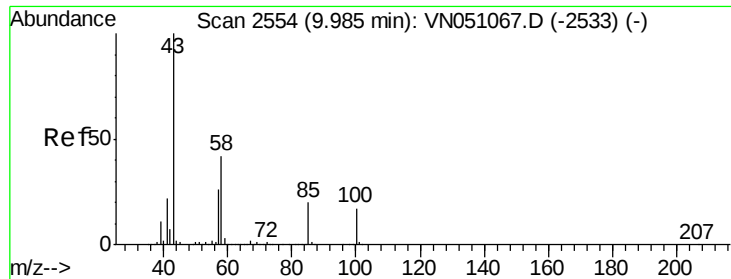
Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Tgt Ion	98	Resp	1387490
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 294.48 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion: 43 Resp: 1787495

Ion Ratio Lower Upper

43 100

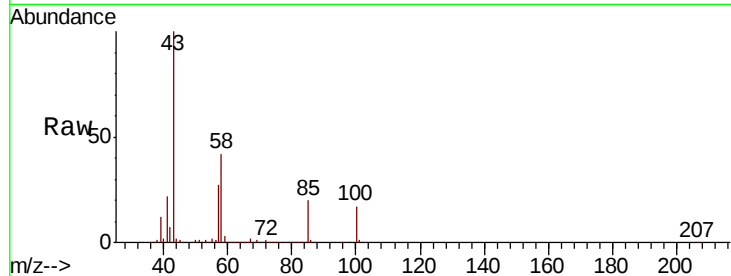
58 42.0 33.5 50.3

Manual Integrations

APPROVED

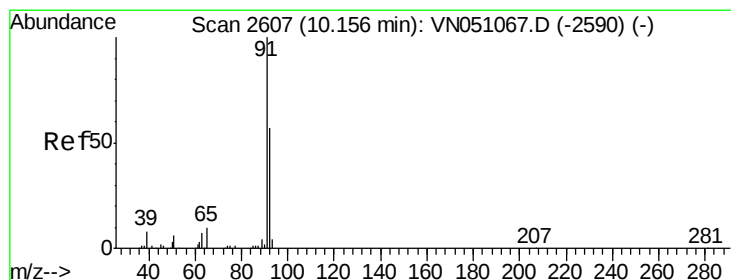
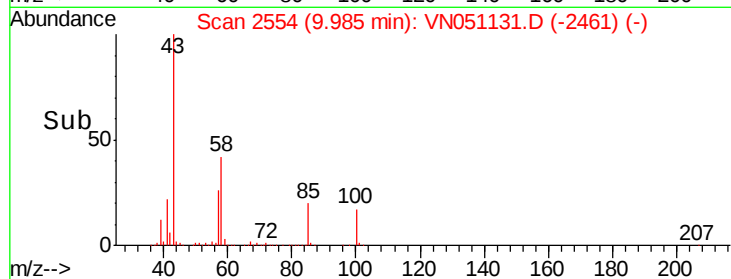
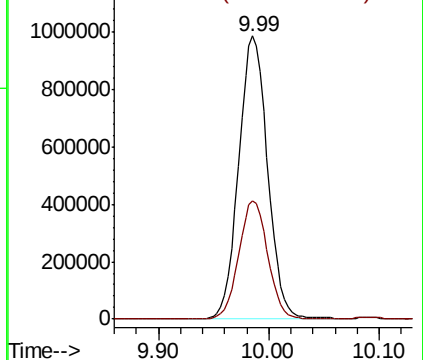
MMDadoda

9/12/2018 10:07:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.64 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051131.D

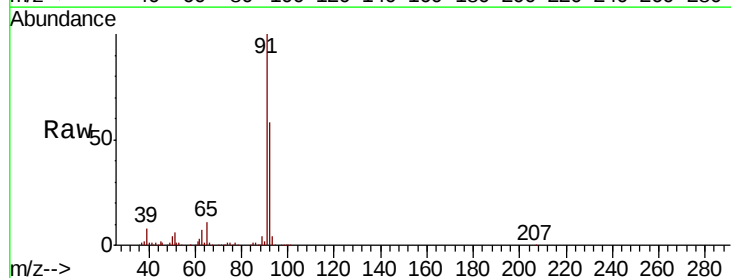
Acq: 11 Sep 2018 16:51

Tgt Ion: 92 Resp: 999480

Ion Ratio Lower Upper

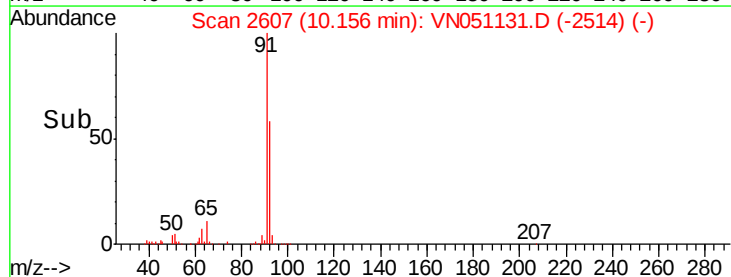
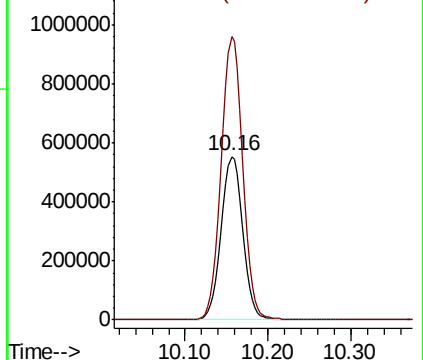
92 100

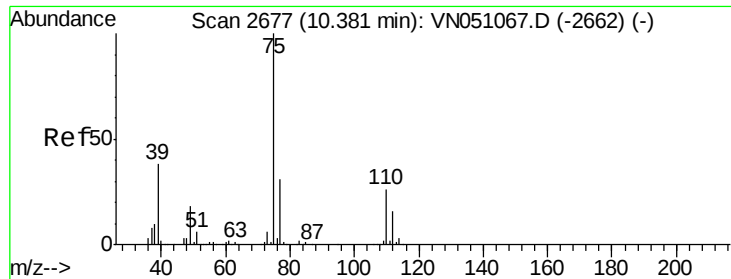
91 172.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





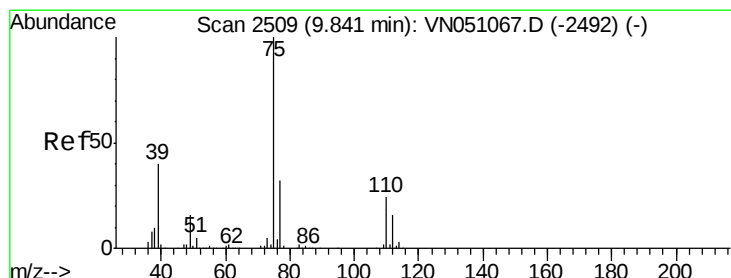
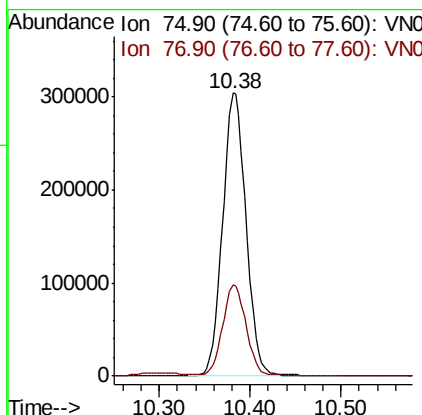
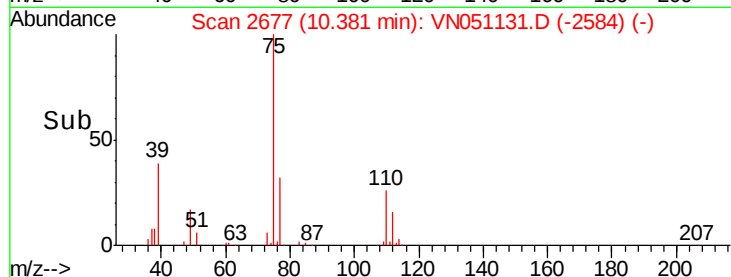
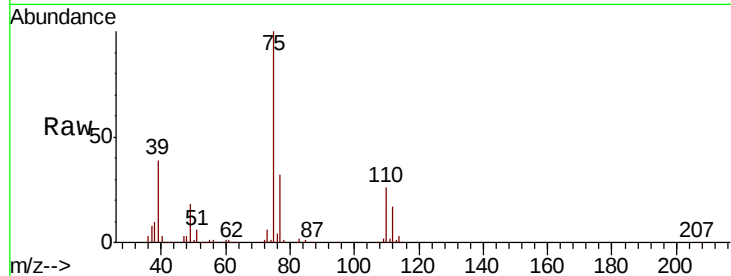
#53
 t-1,3-Dichloropropene
 Concen: 52.39 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion: 75 Resp: 544046
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9

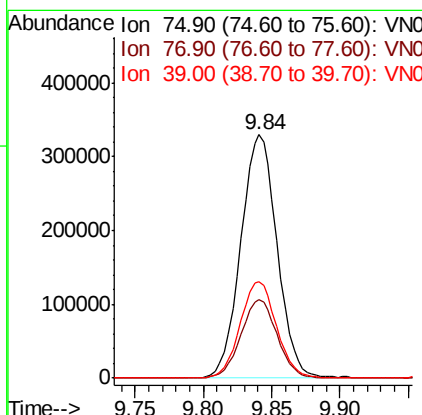
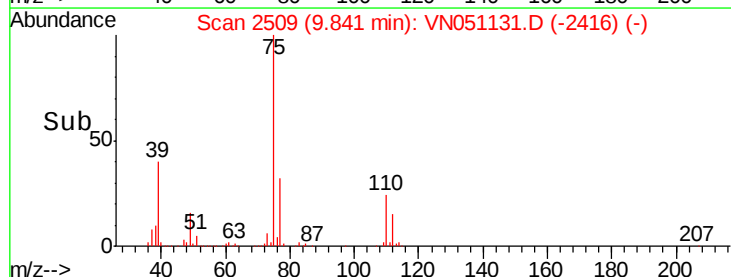
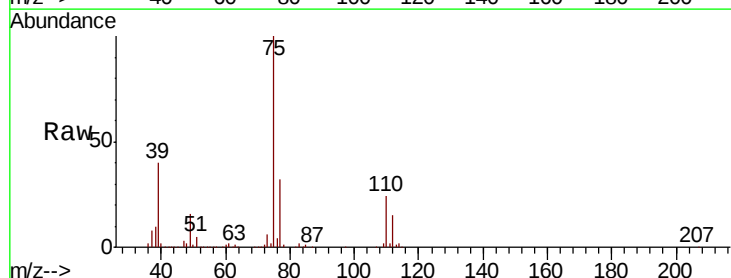
Manual Integrations
 APPROVED

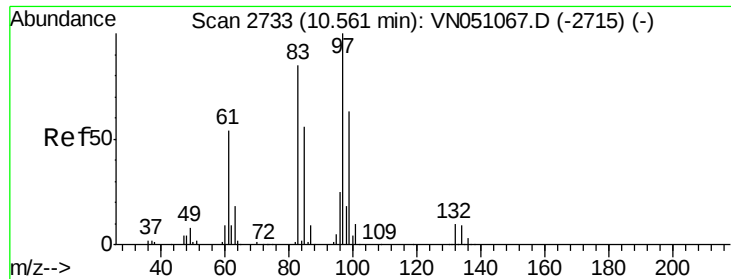
MMDadoda
 9/12/2018 10:07:18 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.96 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion: 75 Resp: 608330
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 39.8 31.9 47.9





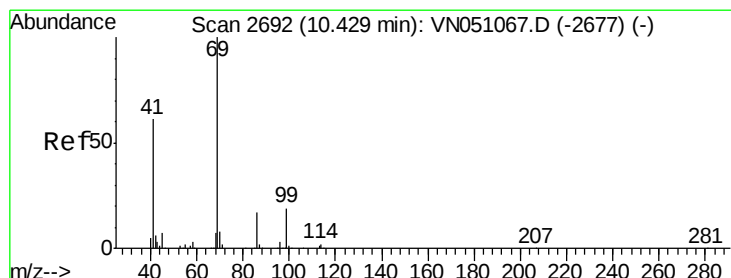
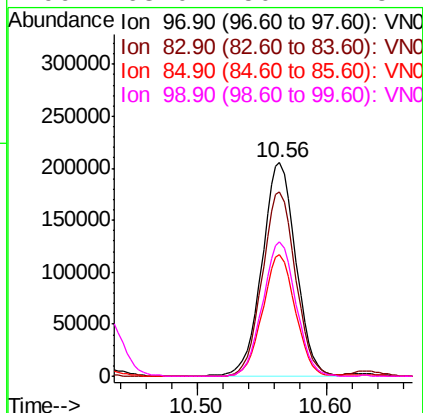
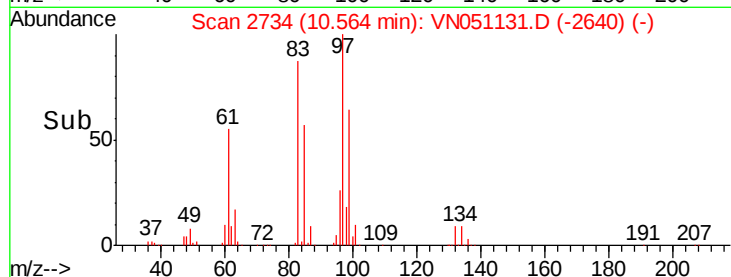
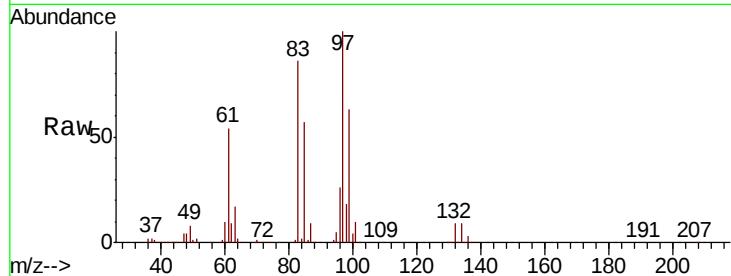
#55
 1,1,2-Trichloroethane
 Concen: 52.43 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion:	97	Resp:	375856
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.2	102.2
85	56.9	44.8	67.2
99	63.0	50.2	75.4

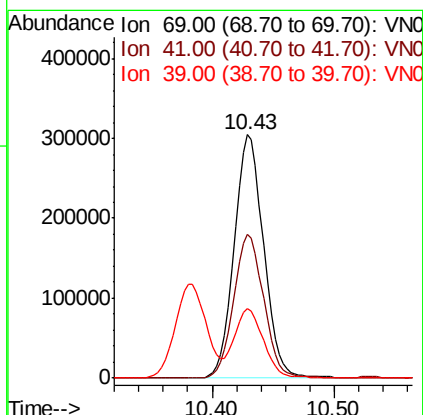
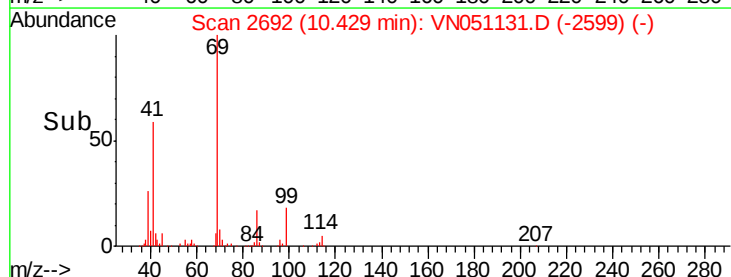
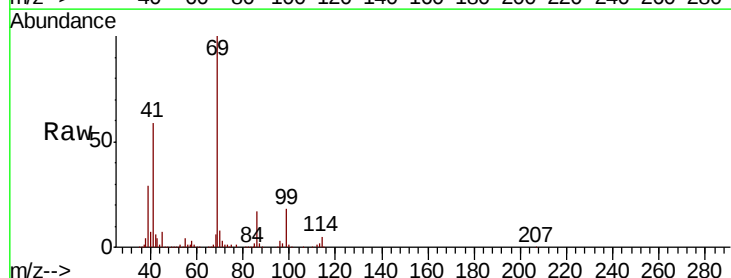
Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:18 AM



#56
 Ethyl methacrylate
 Concen: 52.82 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion:	69	Resp:	509567
Ion	Ratio	Lower	Upper
69	100		
41	59.5	47.8	71.8
39	28.7	23.0	34.4





#57

1,3-Dichloropropane

Concen: 51.65 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-DMSD

Tot Ion: 76 Resp: 613882

Ion Ratio Lower Upper

76 100

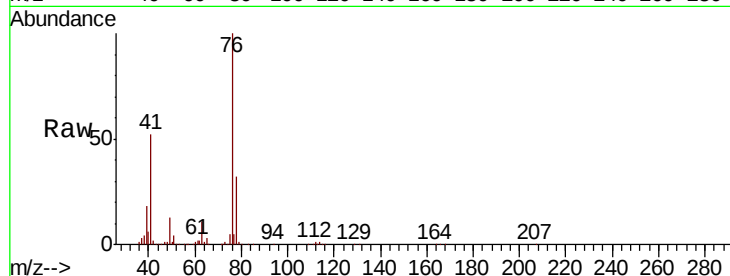
78 32.4 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:07:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

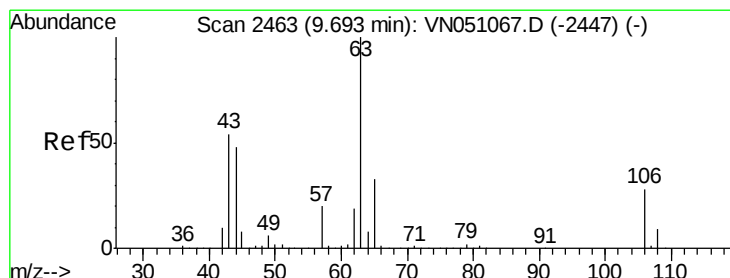
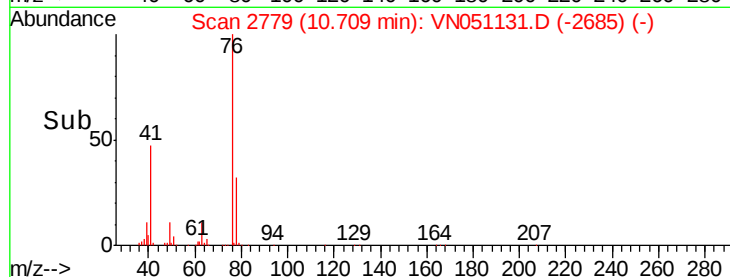
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 18.64 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051131.D

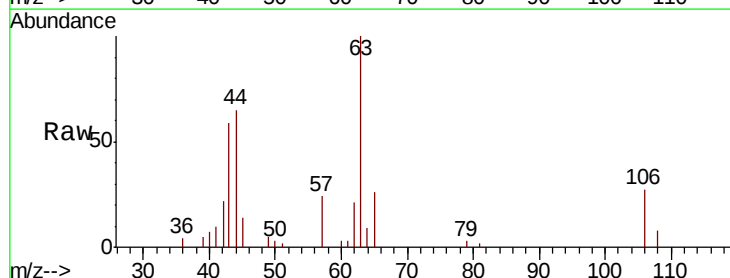
Acq: 11 Sep 2018 16:51

Tgt Ion: 63 Resp: 14693

Ion Ratio Lower Upper

63 100

106 26.5 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

8000

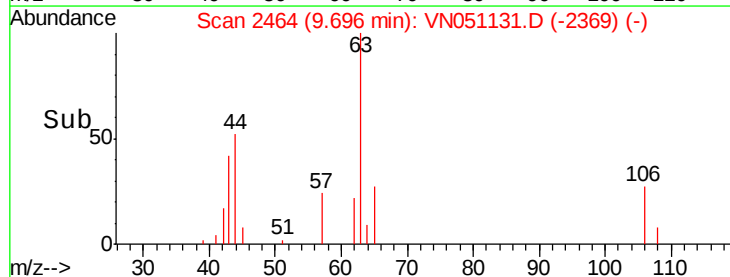
6000

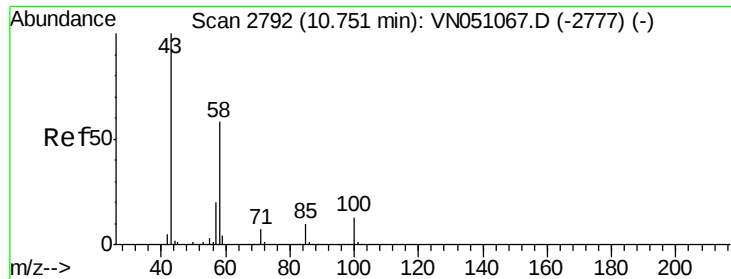
4000

2000

0

Time--> 9.65 9.70 9.75





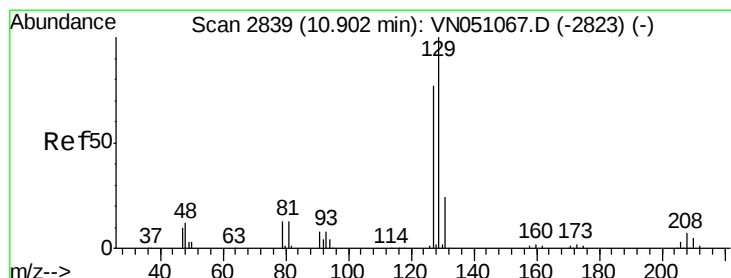
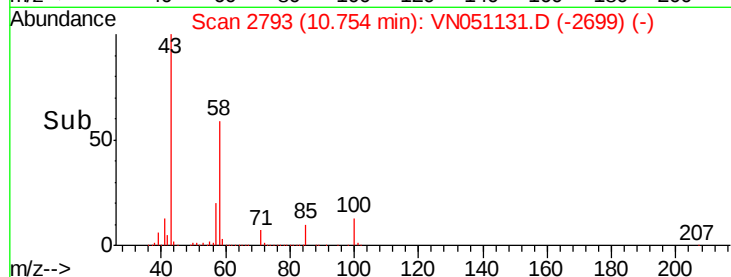
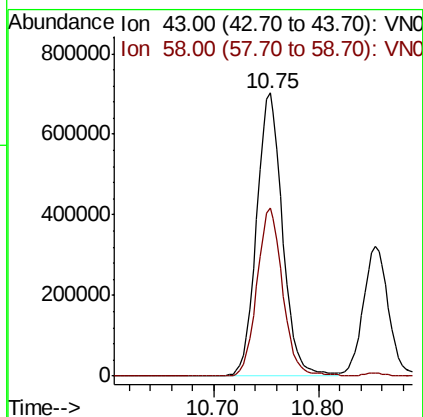
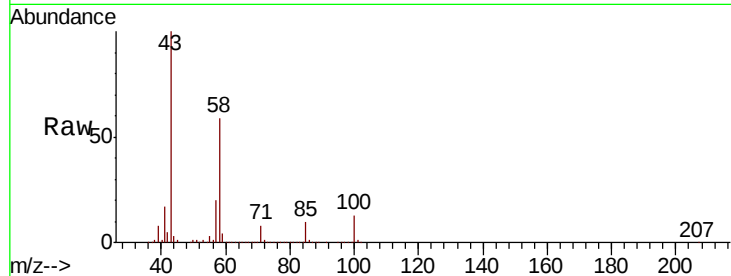
#59
2-Hexanone
Concen: 292.96 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion: 43 Resp: 1205966
Ion Ratio Lower Upper
43 100
58 58.8 29.3 88.0

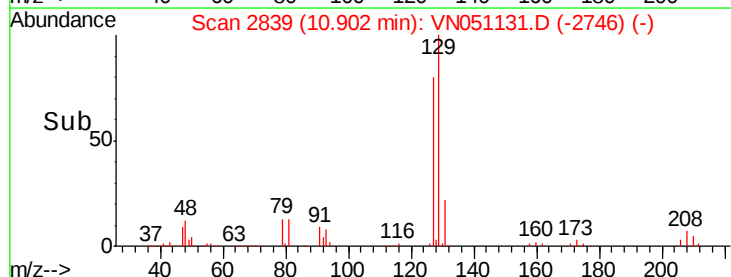
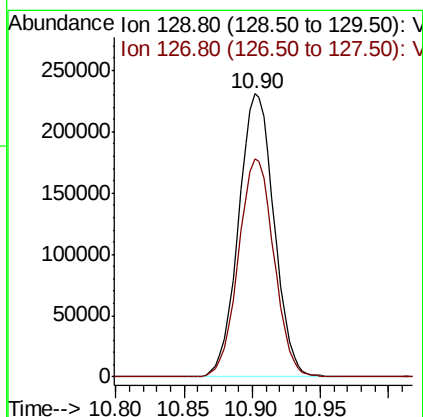
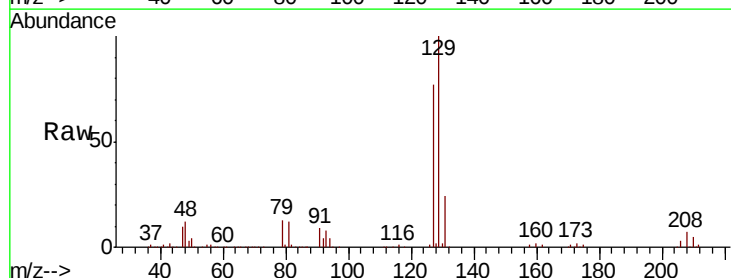
Manual Integrations
APPROVED

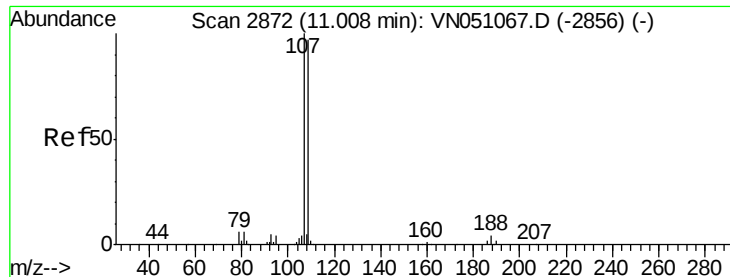
MMDadoda
9/12/2018 10:07:18 AM



#60
Dibromochloromethane
Concen: 51.67 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion: 129 Resp: 417542
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





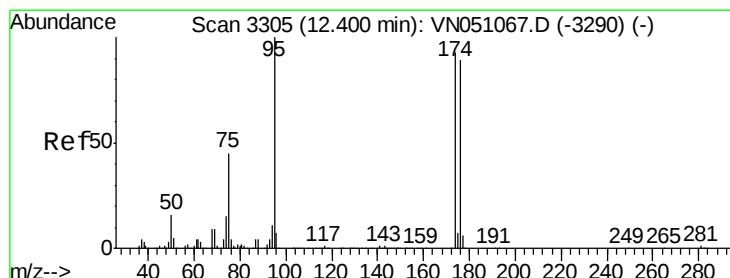
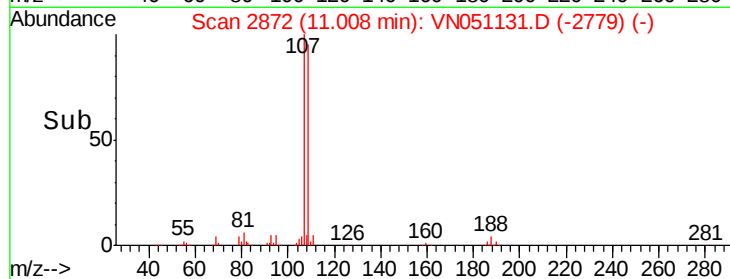
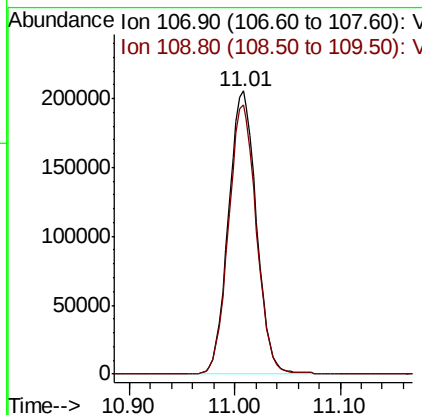
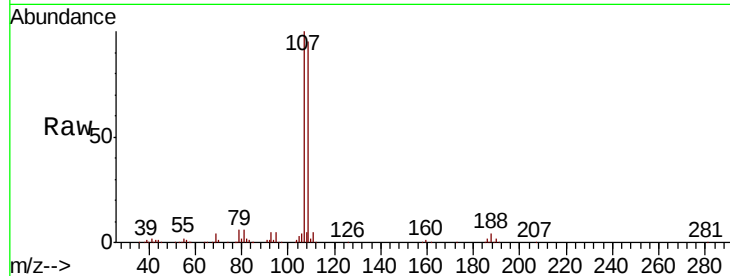
#61
 1,2-Dibromoethane
 Concen: 53.56 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

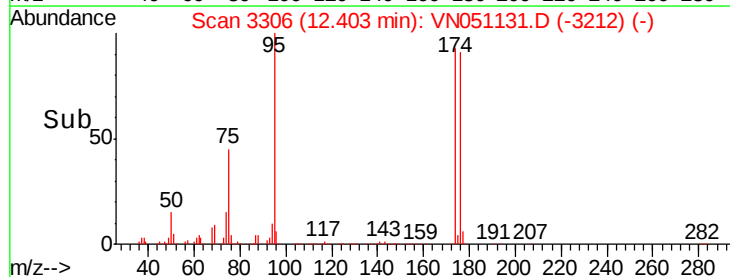
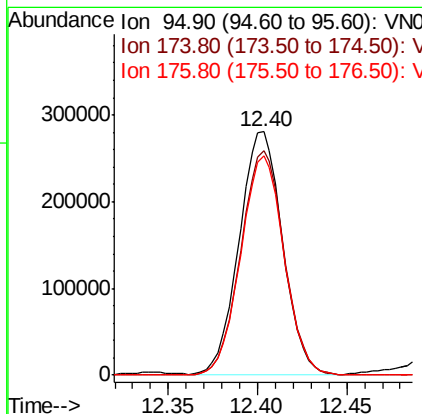
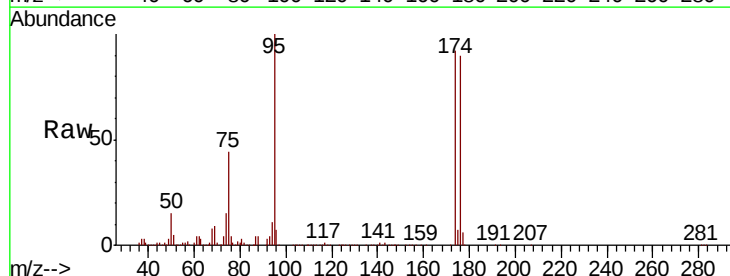
Manual Integrations
 APPROVED

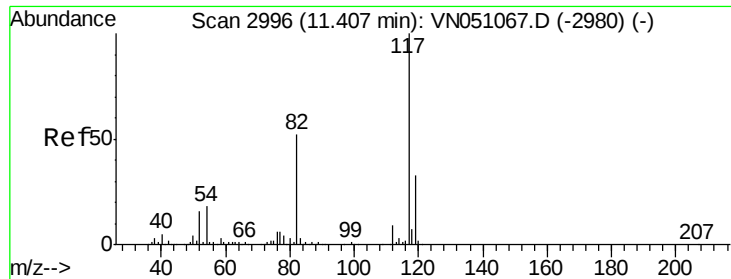
MMDadoda
 9/12/2018 10:07:18 AM



#62
 4-Bromofluorobenzene
 Concen: 51.08 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	184.8
176	90.8	0.0	178.6





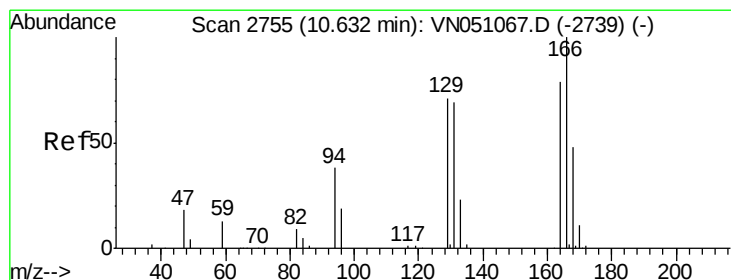
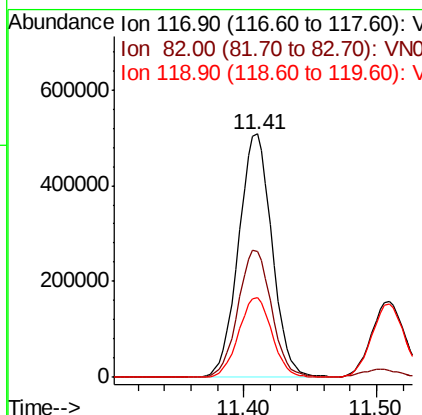
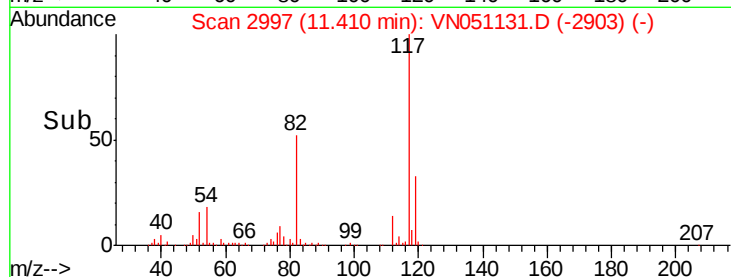
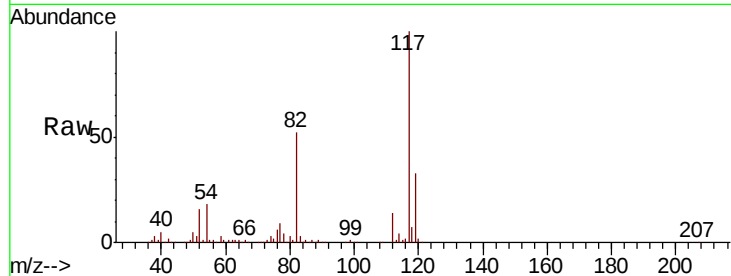
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	890725		
82	51.7		41.8	62.6
119	32.7		26.2	39.2

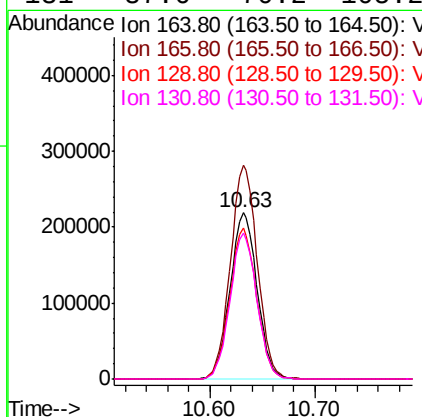
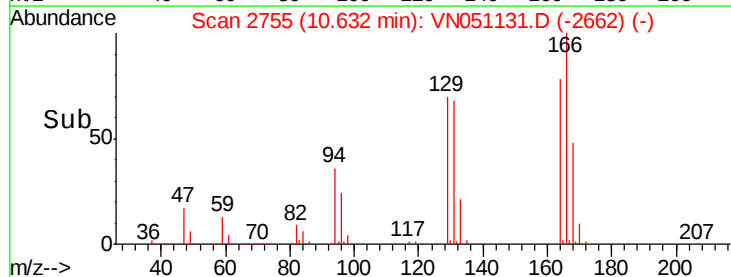
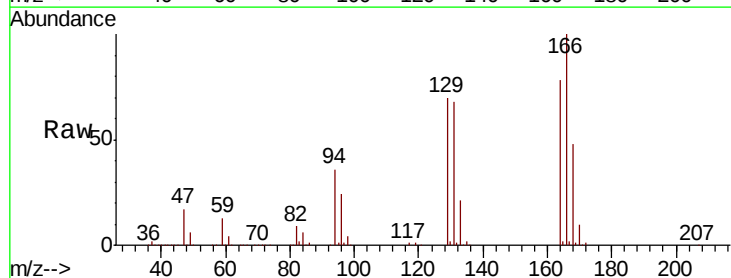
Manual Integrations
APPROVED

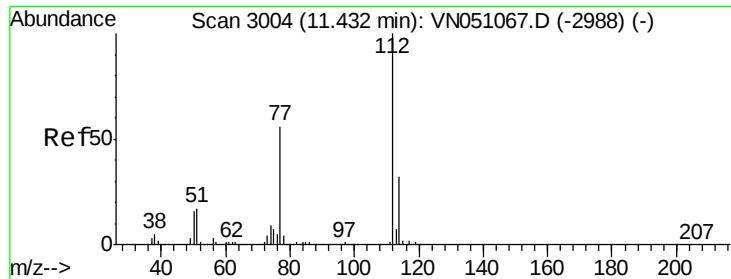
MMDadoda
9/12/2018 10:07:18 AM



#64
Tetrachloroethene
Concen: 47.65 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	387274		
166	128.7		101.3	151.9
129	90.7		72.2	108.2
131	87.6		70.2	105.2





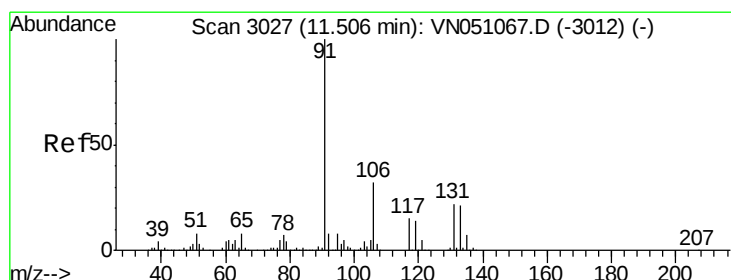
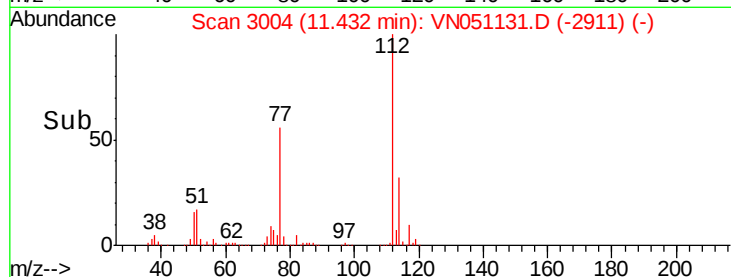
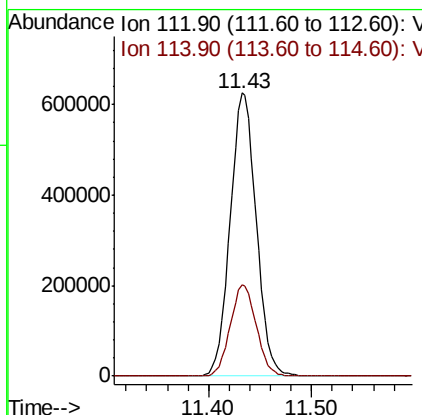
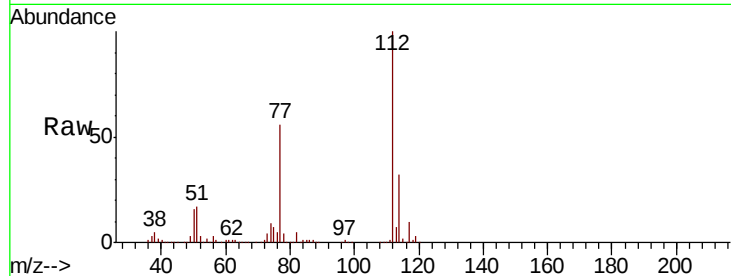
#65
Chlorobenzene
Concen: 49.16 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion:112 Resp: 1103814
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

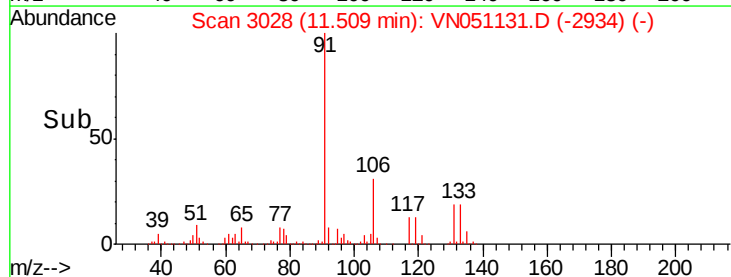
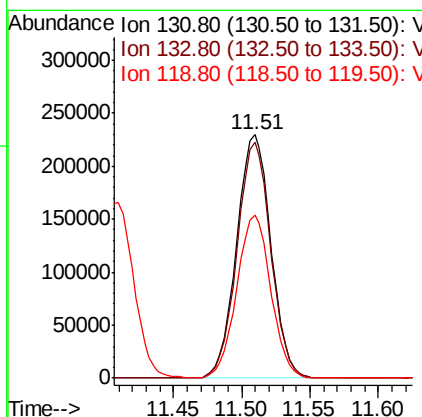
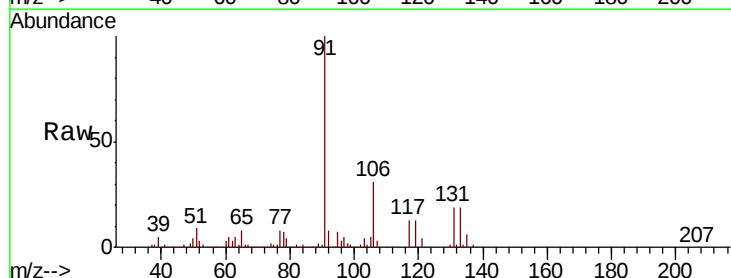
Manual Integrations
APPROVED

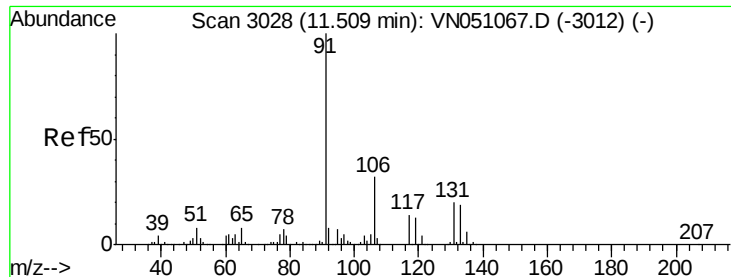
MMDadoda
9/12/2018 10:07:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.64 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion:131 Resp: 401251
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.5 33.2 99.6





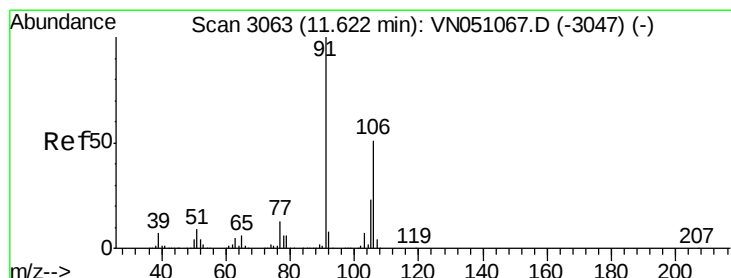
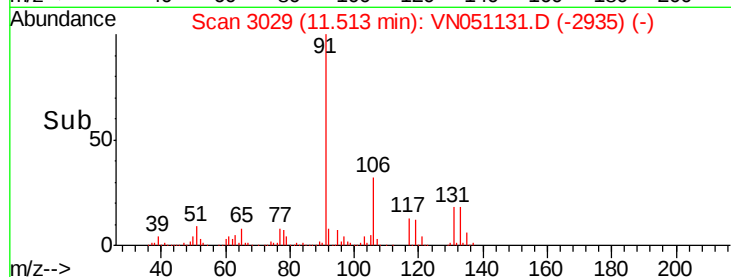
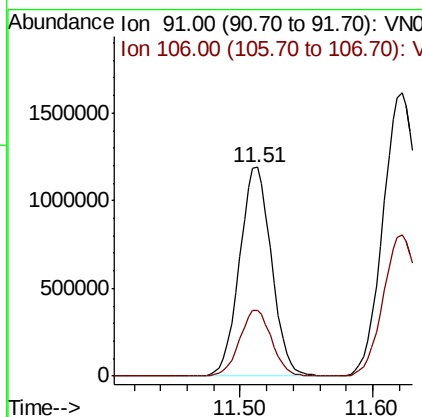
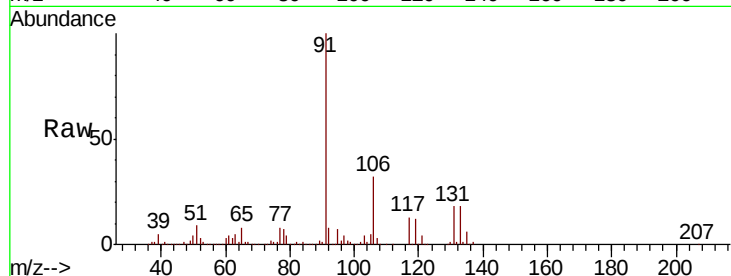
#67
Ethyl Benzene
Concen: 54.79 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-DMSD

Tot Ion: 91 Resp: 1992074
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2

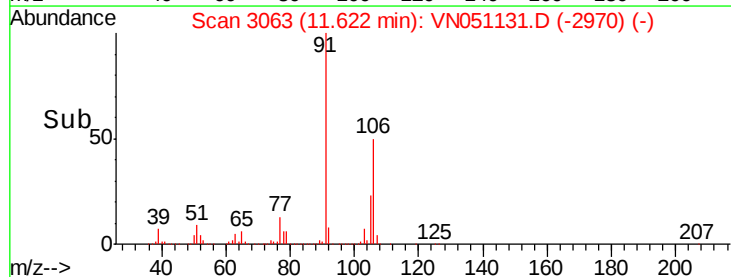
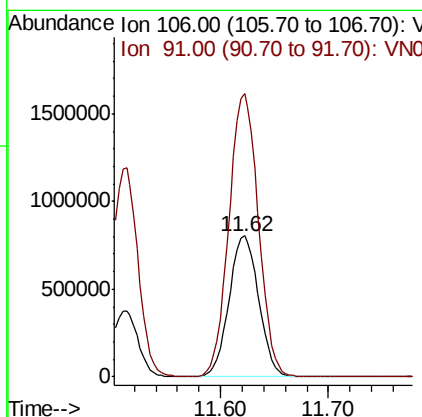
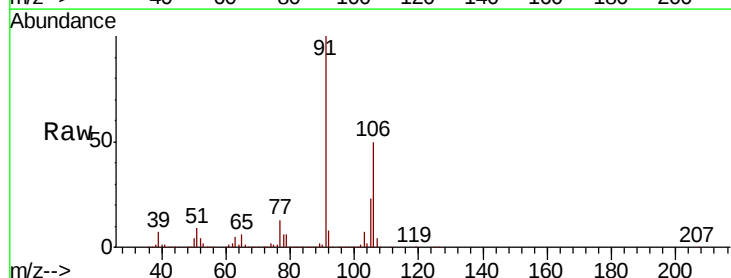
Manual Integrations
APPROVED

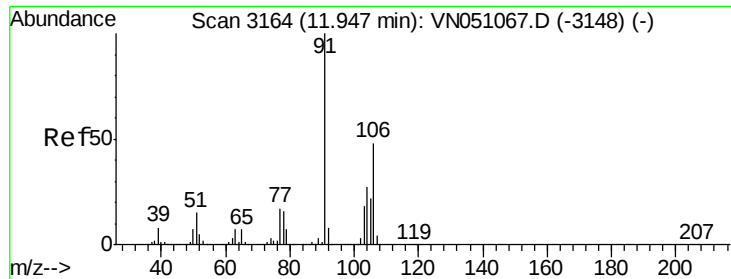
MMDadoda
9/12/2018 10:07:18 AM



#68
m/p-Xylenes
Concen: 109.52 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion: 106 Resp: 1530014
Ion Ratio Lower Upper
106 100
91 200.2 159.8 239.6





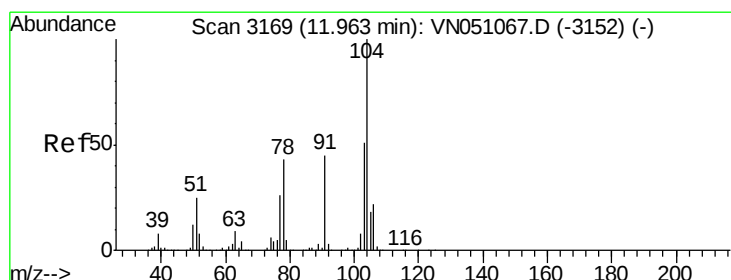
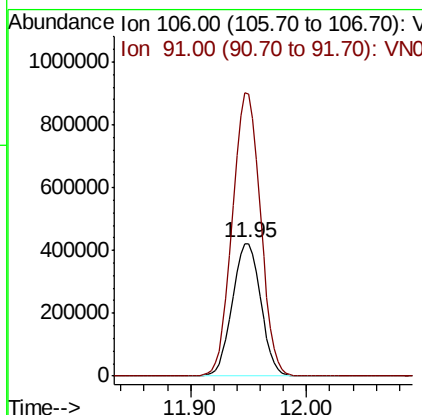
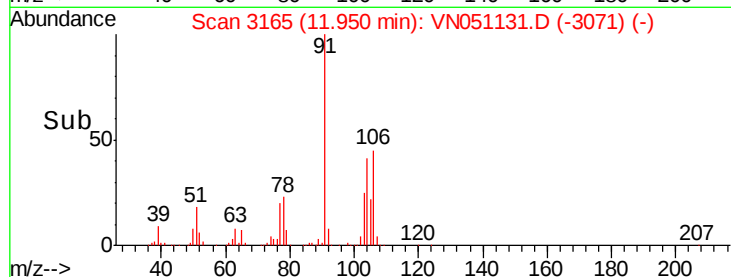
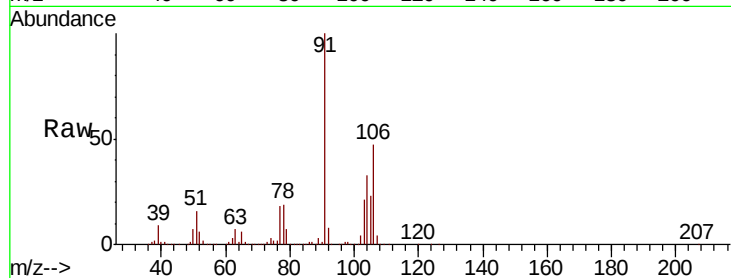
#69
o-Xylene
Concen: 52.76 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-DMSD

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	211.2	105.1	315.1

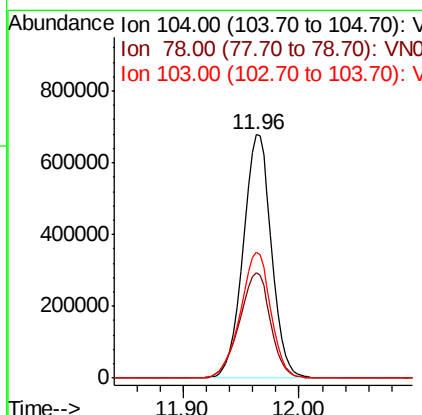
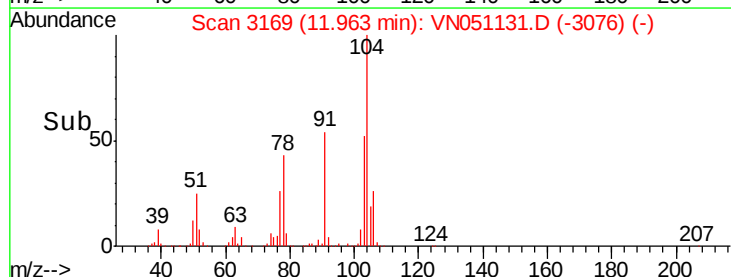
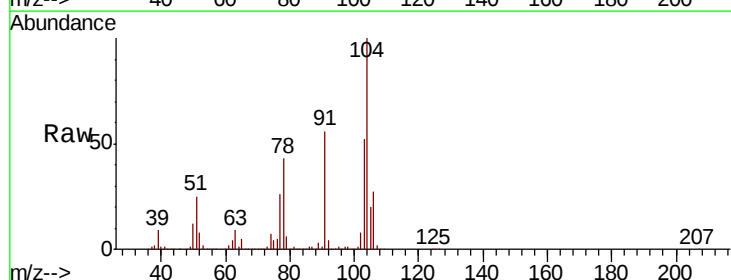
Manual Integrations
APPROVED

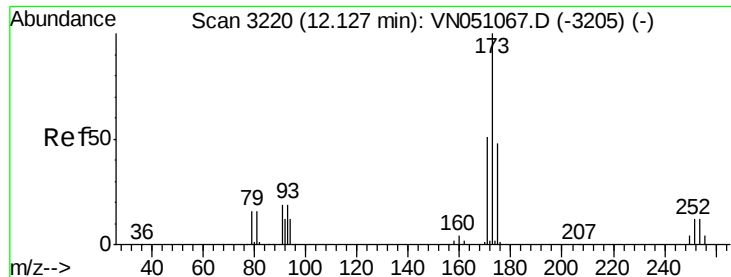
MMDadoda
9/12/2018 10:07:18 AM



#70
Styrene
Concen: 54.88 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	47.5	37.7	56.5
103	103	55.5	44.6	67.0





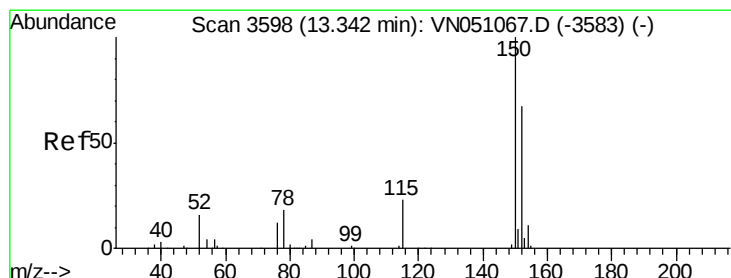
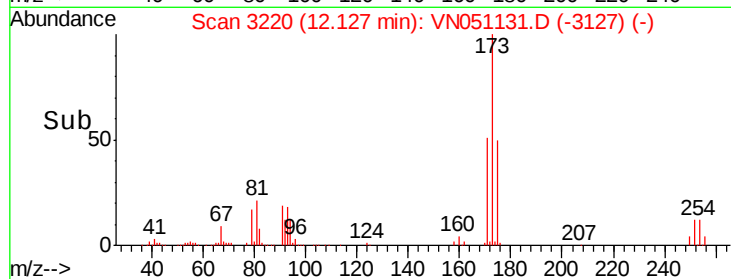
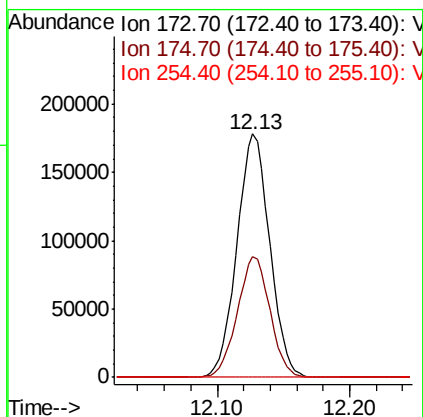
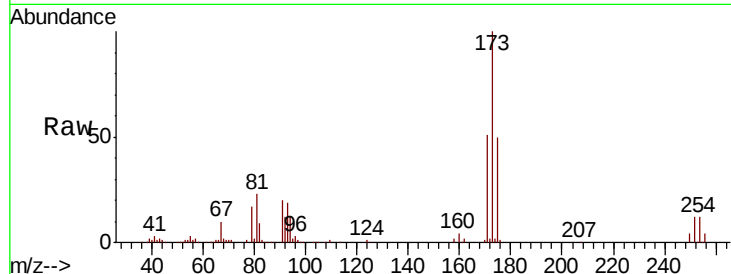
#71
Bromoform
Concen: 53.85 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.1	0.0	0.0

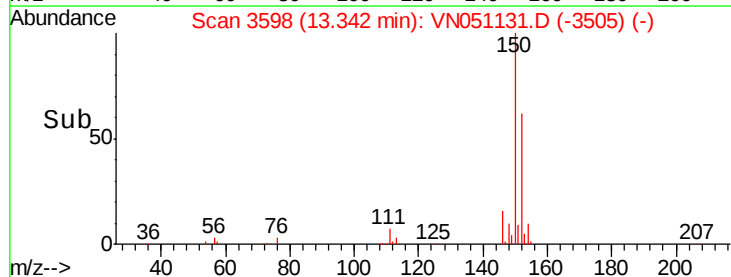
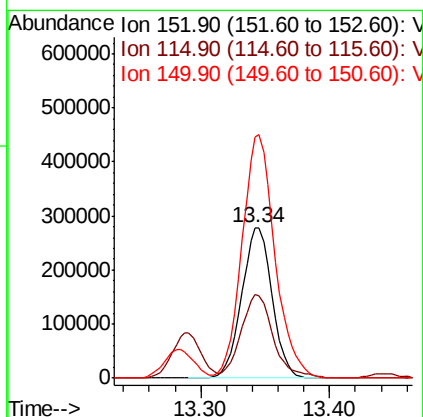
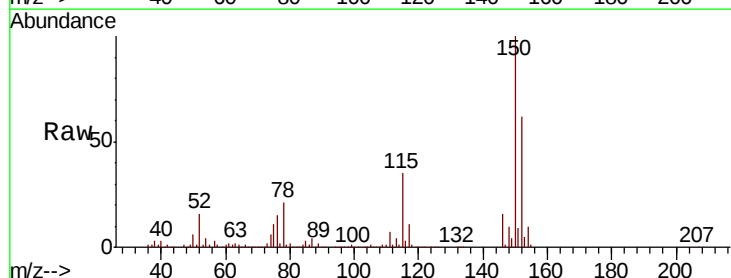
Manual Integrations
APPROVED

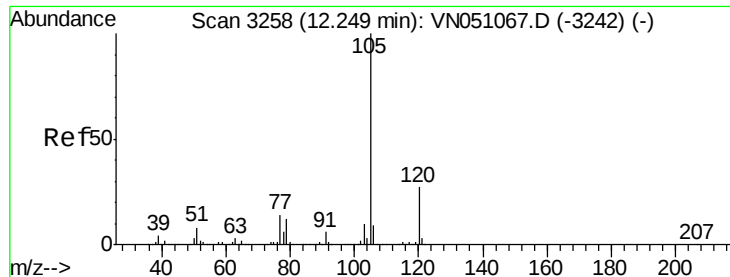
MMDadoda
9/12/2018 10:07:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.2	84.7
150	175.6	0.0	349.0





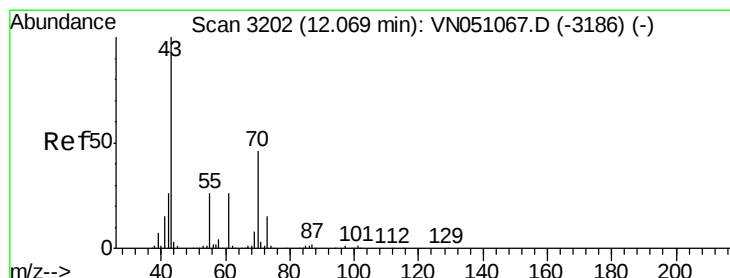
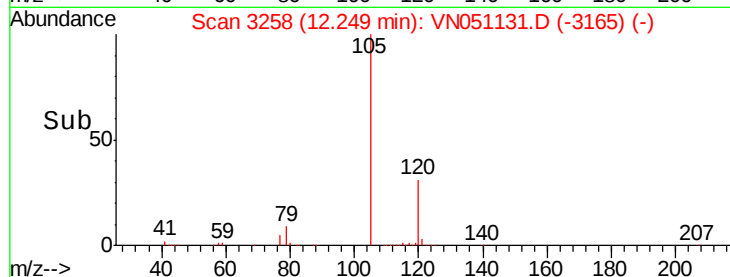
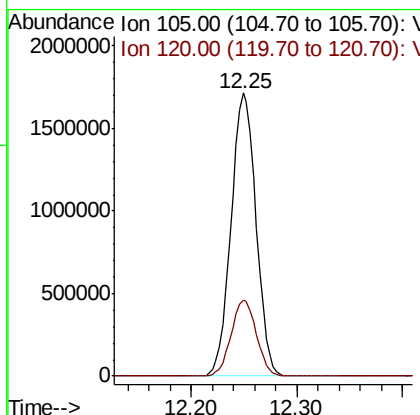
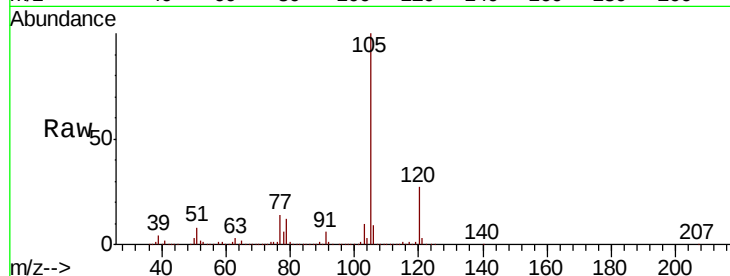
#73
Isopropylbenzene
Concen: 73.39 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion: 105 Resp: 2796650
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

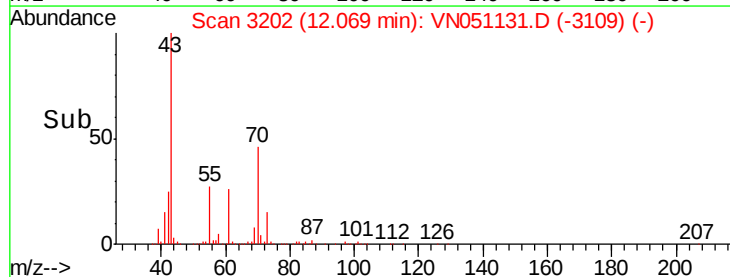
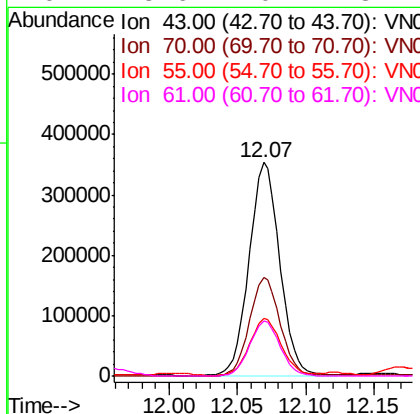
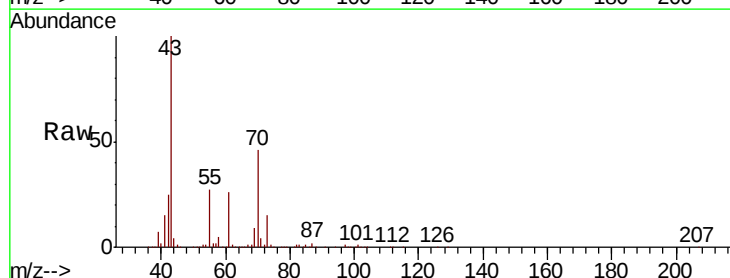
Manual Integrations
APPROVED

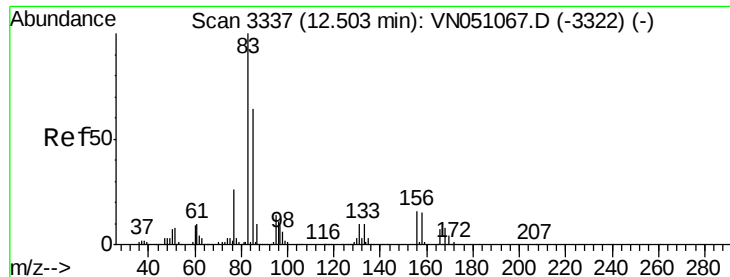
MMDadoda
9/12/2018 10:07:18 AM



#74
N-ethyl acetate
Concen: 57.54 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion: 43 Resp: 551836
Ion Ratio Lower Upper
43 100
70 45.7 37.0 55.4
55 27.5 21.3 31.9
61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.61 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

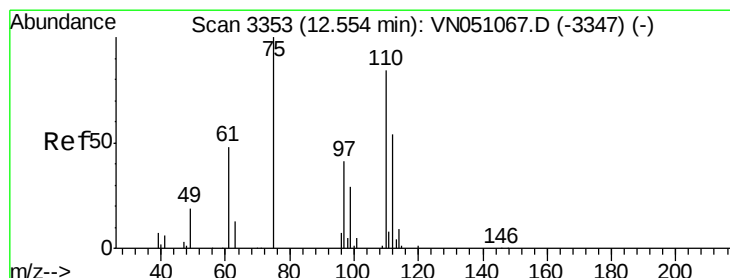
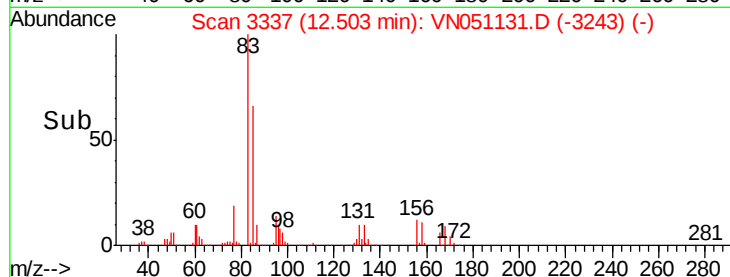
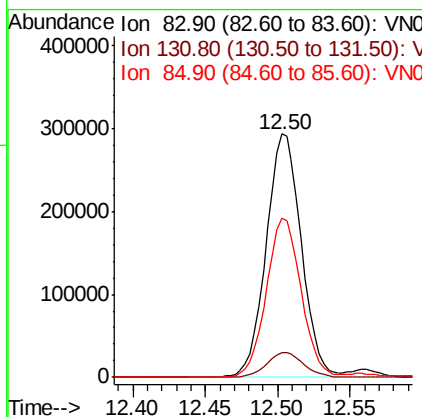
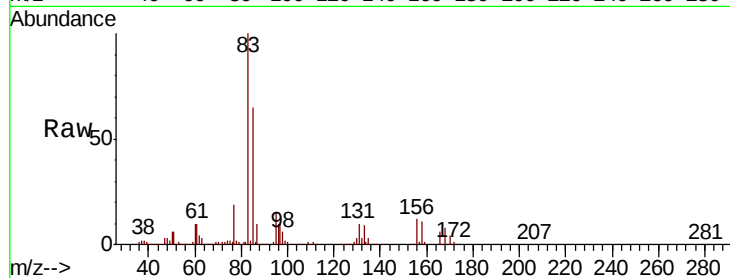
ClientSampleId :

EP1-MW-DMSD

Tot Ion:	83	Resp:	493131
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.7	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM



#76

1,2,3-Trichloropropane

Concen: 56.21 ug/l m

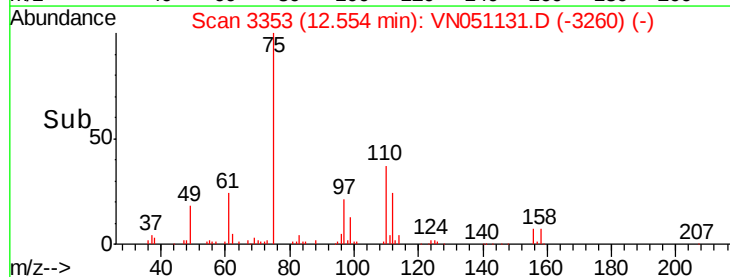
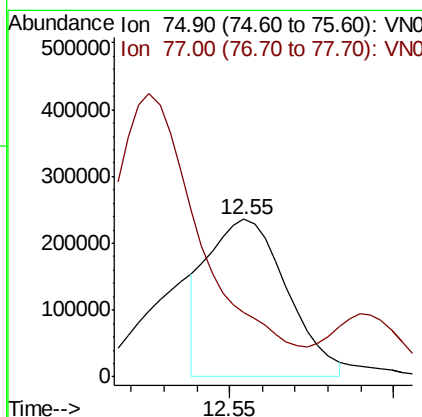
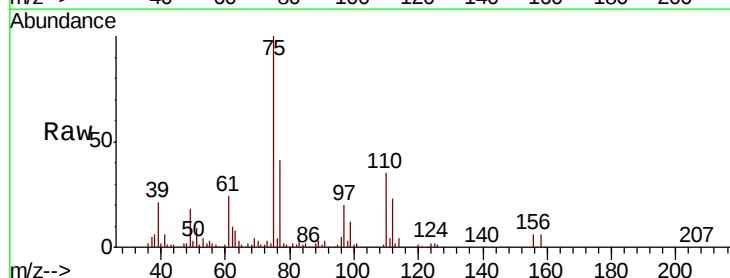
RT: 12.55 min Scan# 3353

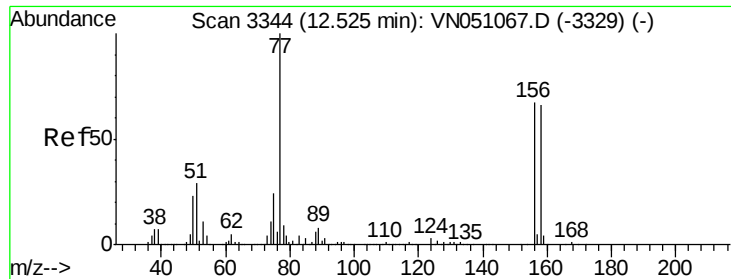
Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Tgt Ion:	75	Resp:	394712
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





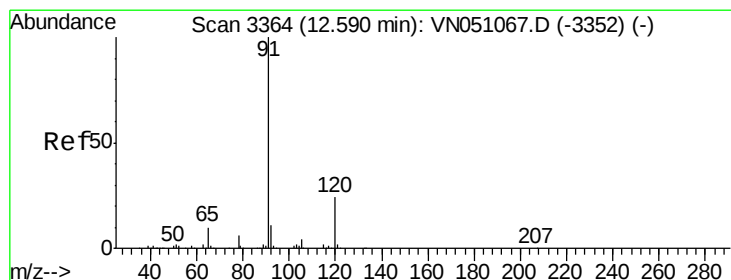
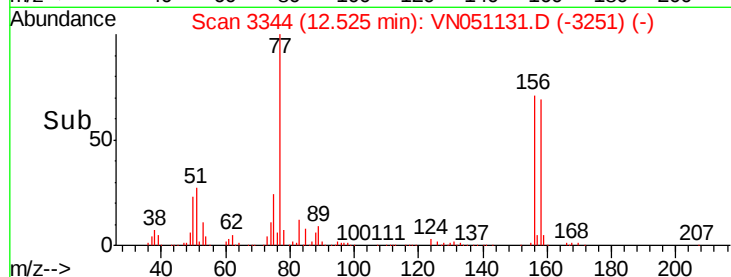
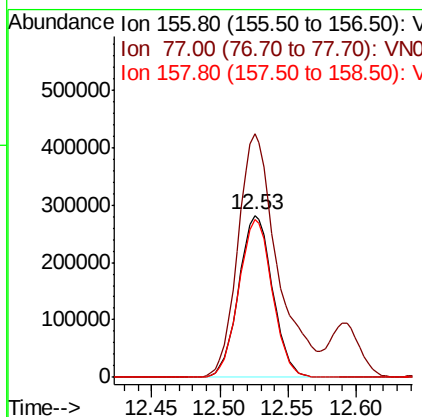
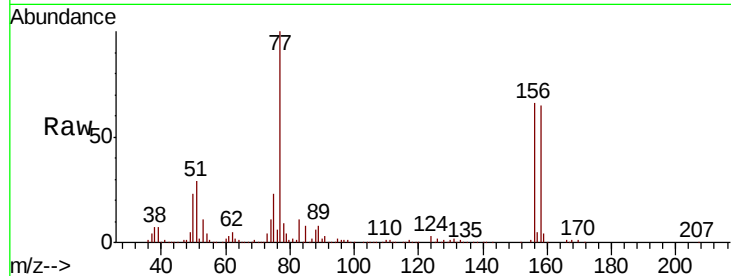
#77
Bromobenzene
Concen: 47.28 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		483940		
77	177.5	87.5	262.6		
158	97.1	49.0	147.2		

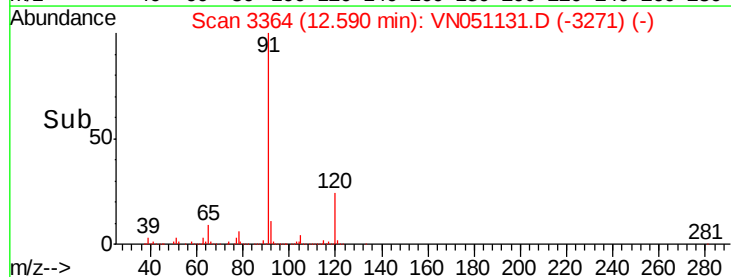
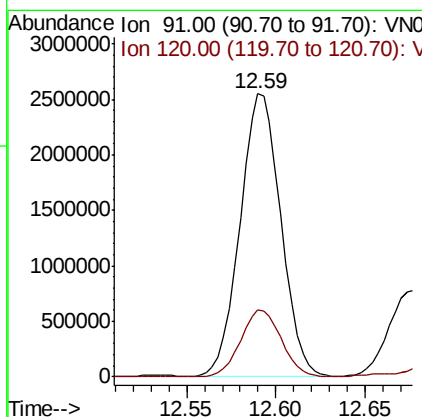
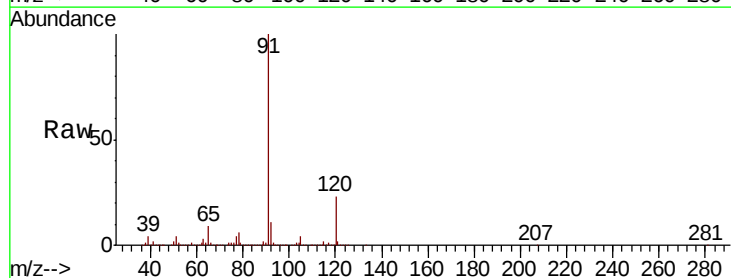
Manual Integrations
APPROVED

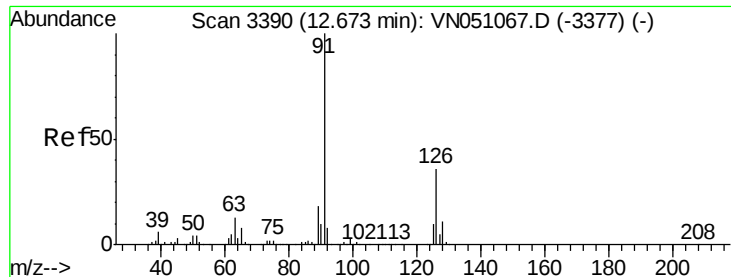
MMDadoda
9/12/2018 10:07:18 AM



#78
n-propylbenzene
Concen: 97.00 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		4062913		
120	23.7	12.0	36.0		





#79

2-Chlorotoluene

Concen: 50.74 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-DMSD

Tot Ion: 91 Resp: 1328409

Ion Ratio Lower Upper

91 100

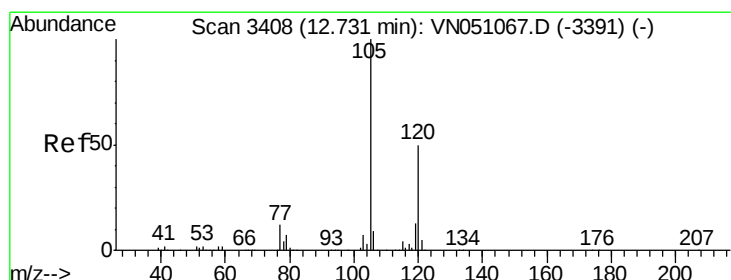
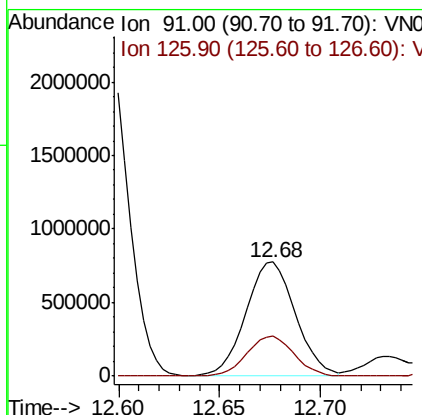
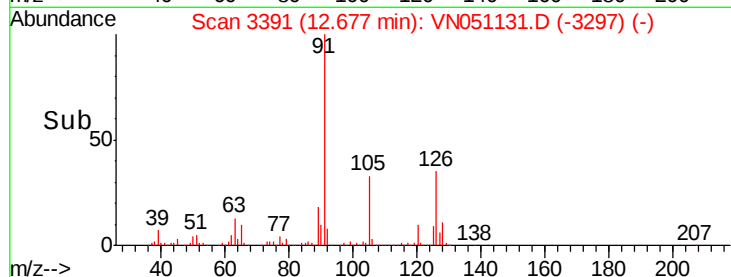
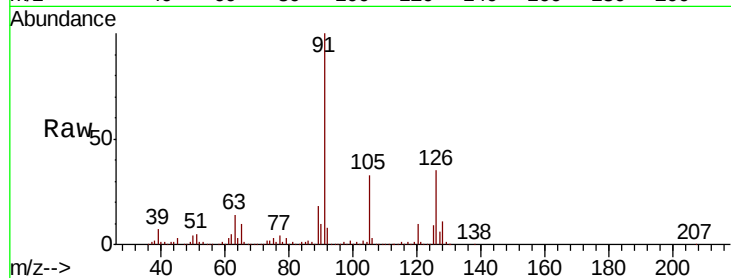
126 33.7 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:07:18 AM



#80

1,3,5-Trimethylbenzene

Concen: 68.64 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051131.D

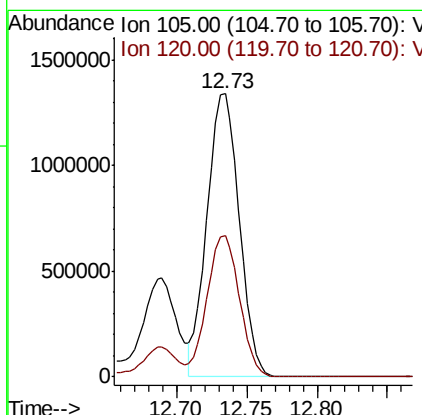
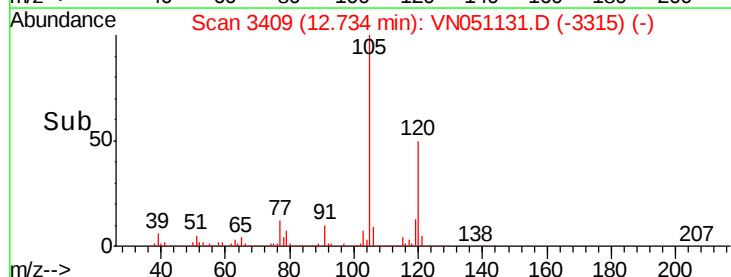
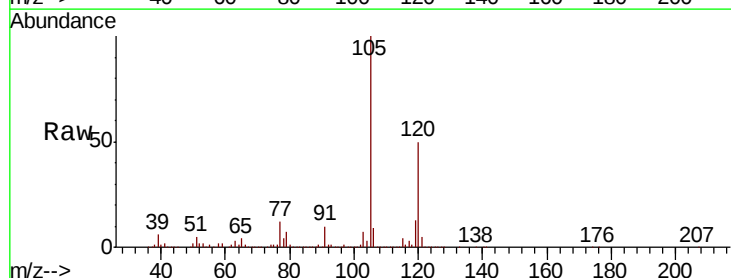
Acq: 11 Sep 2018 16:51

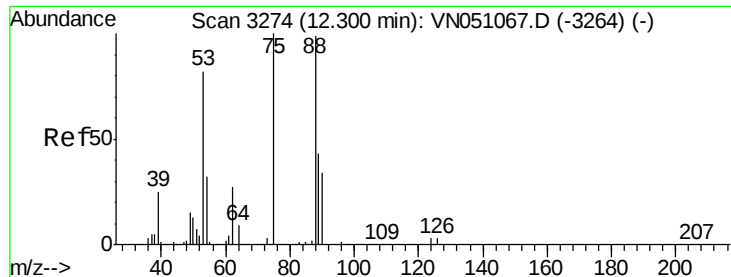
Tgt Ion: 105 Resp: 2114868

Ion Ratio Lower Upper

105 100

120 50.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.31 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

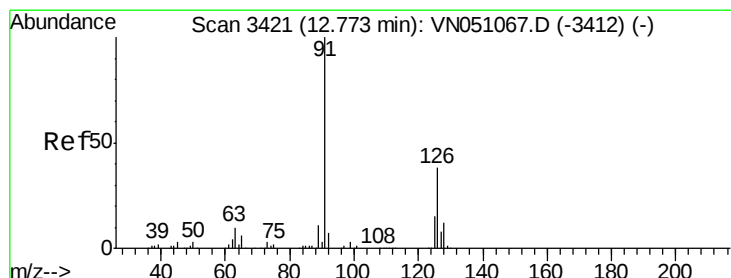
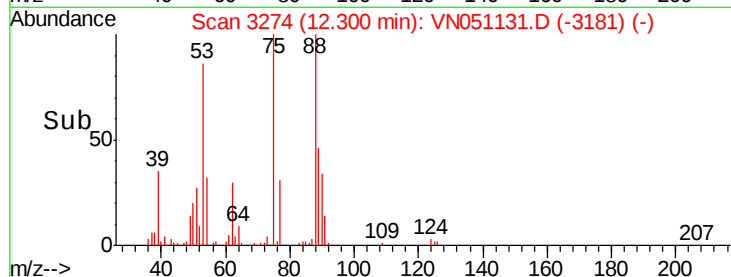
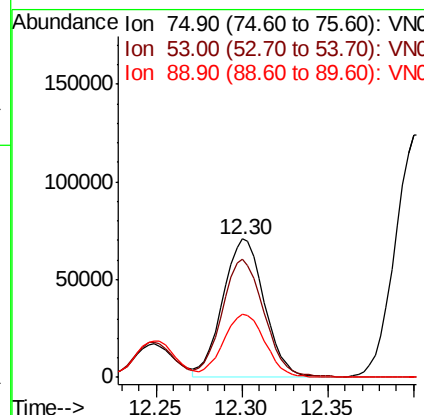
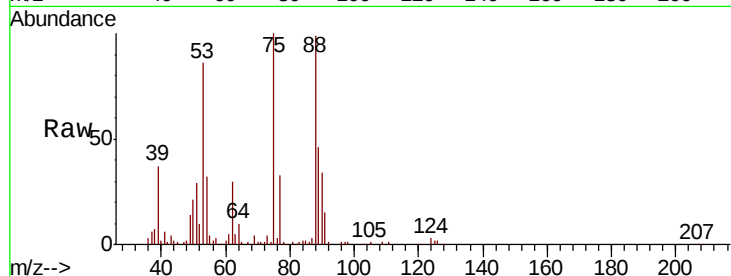
ClientSampleId :

EP1-MW-DMSD

Tot Ion:	75	Resp:	117974
Ion	Ratio	Lower	Upper
75	100		
53	86.7	67.8	101.8
89	46.5	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM



#82

4-Chlorotoluene

Concen: 47.83 ug/l

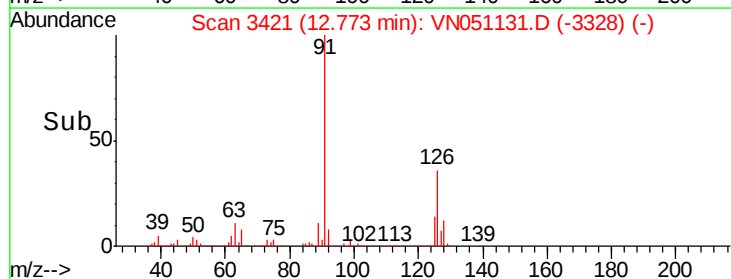
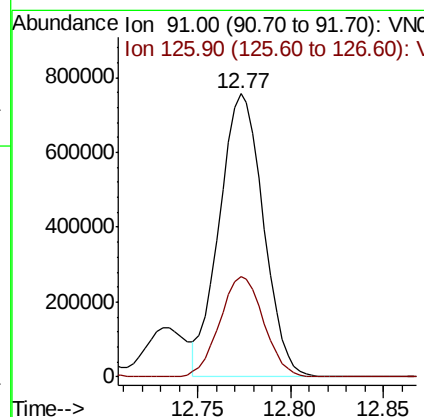
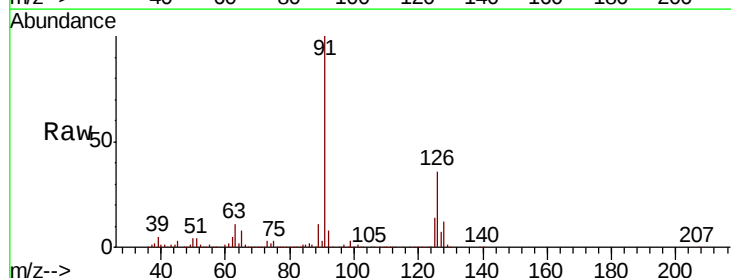
RT: 12.77 min Scan# 3421

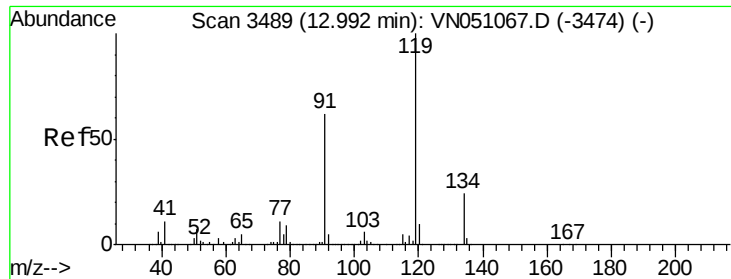
Delta R.T. -0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Tgt Ion:	91	Resp:	1242981
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





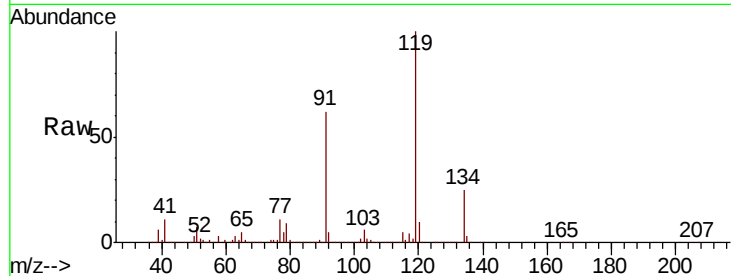
#83
 tert-Butylbenzene
 Concen: 51.07 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

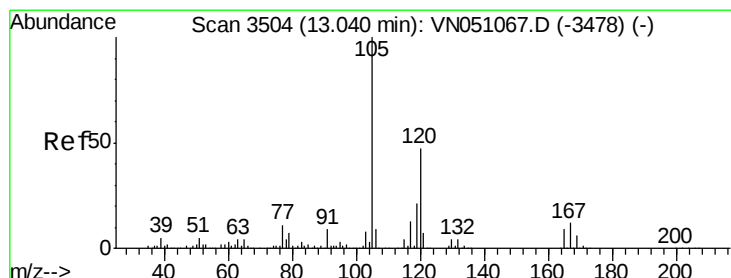
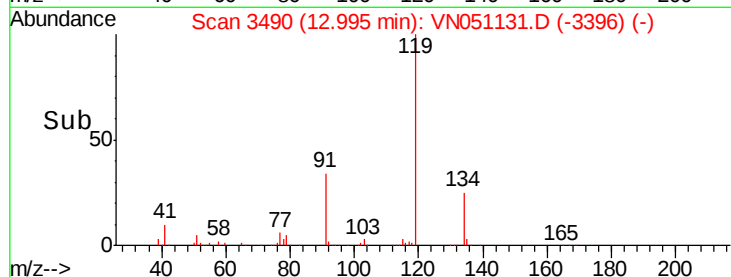
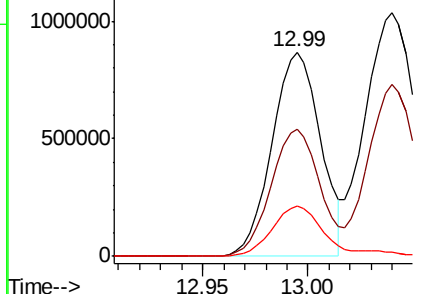
Tot Ion:119 Resp: 1389007
 Ion Ratio Lower Upper
 119 100
 91 63.8 30.8 92.3
 134 27.2 13.2 39.6

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:18 AM

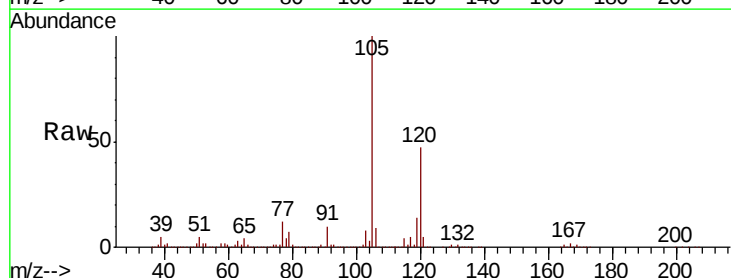


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

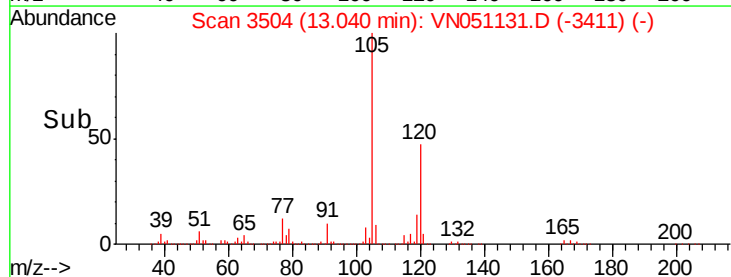
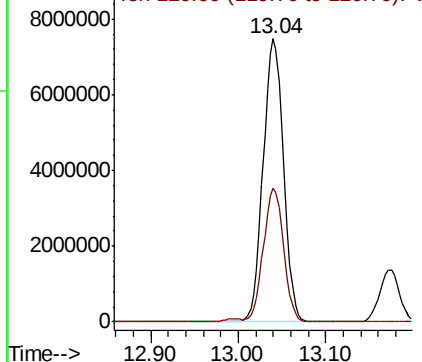


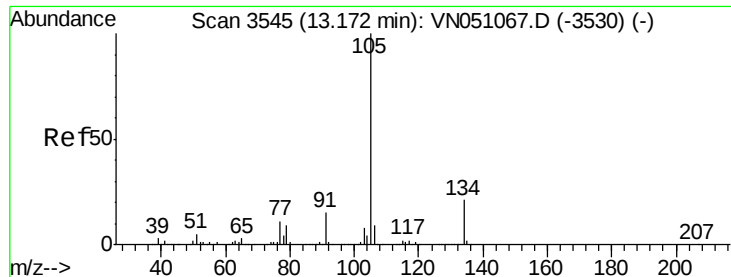
#84
 1,2,4-Trimethylbenzene
 Concen: 397.10 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion:105 Resp:12029726
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





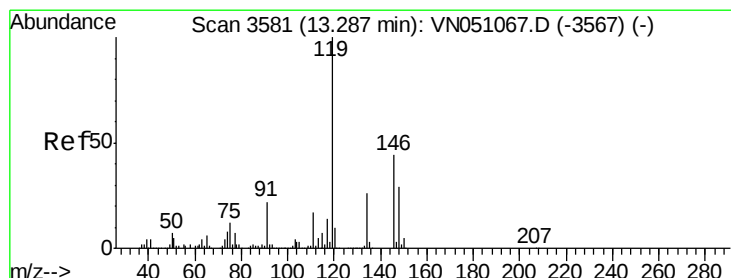
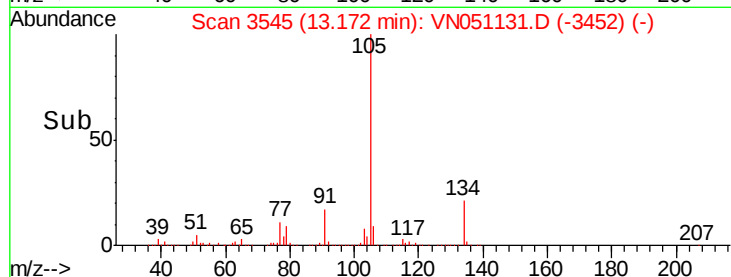
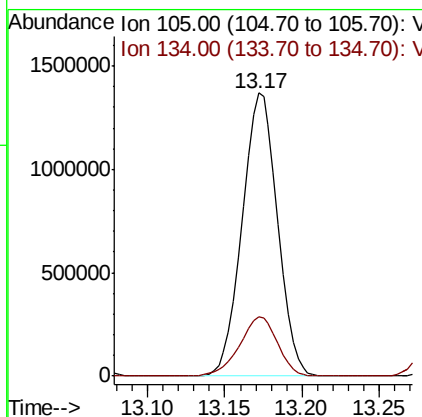
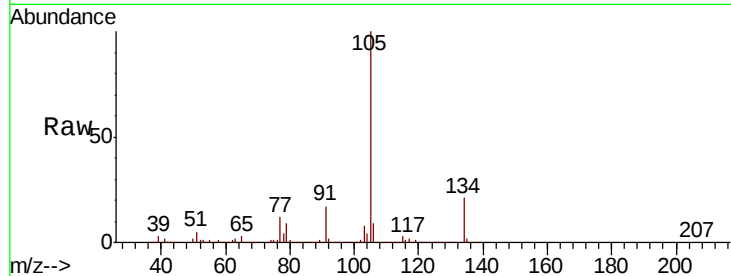
#85
 sec-Butylbenzene
 Concen: 62.25 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-DMSD

Tot Ion:105 Resp: 2171464
 Ion Ratio Lower Upper
 105 100
 134 22.6 10.4 31.4

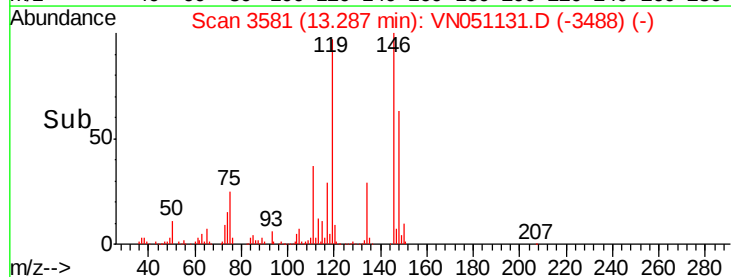
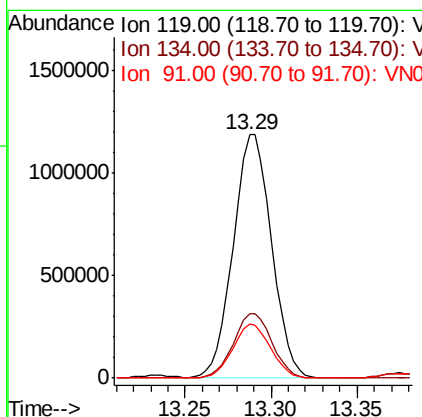
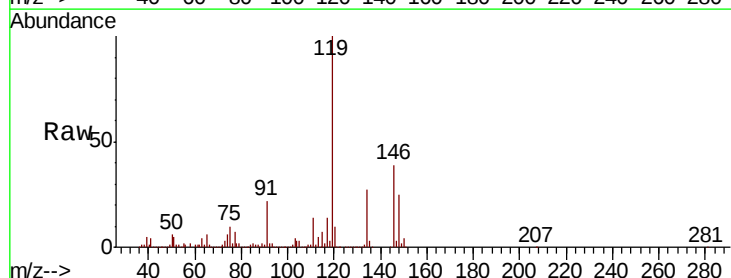
Manual Integrations
 APPROVED

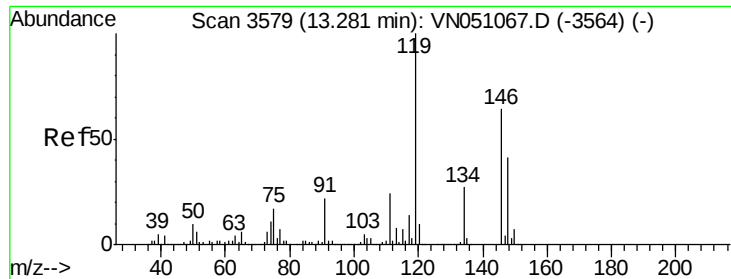
MMDadoda
 9/12/2018 10:07:18 AM



#86
 p-Isopropyltoluene
 Concen: 61.94 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion:119 Resp: 1832023
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 21.9 10.9 32.9





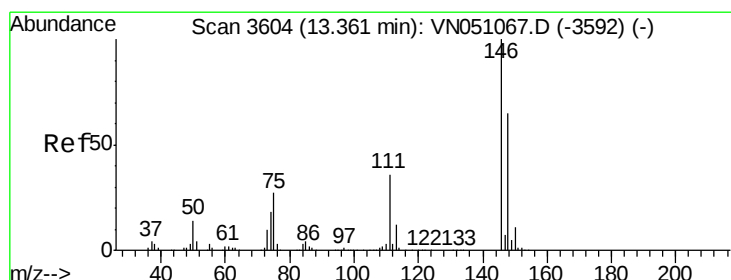
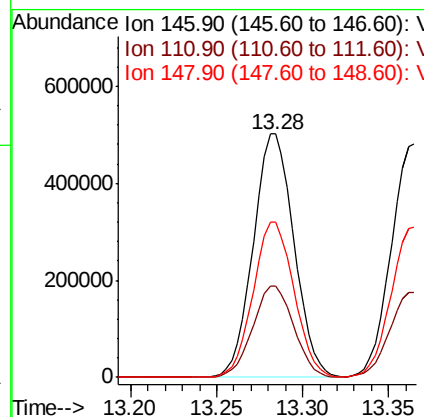
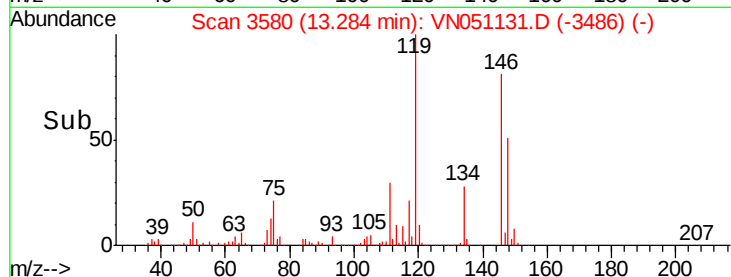
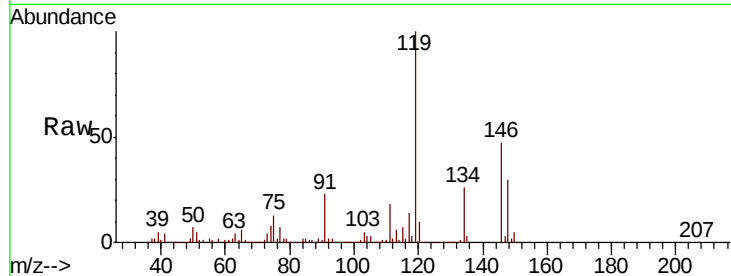
#87
 1,3-Dichlorobenzene
 Concen: 47.55 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.0	32.2	96.6

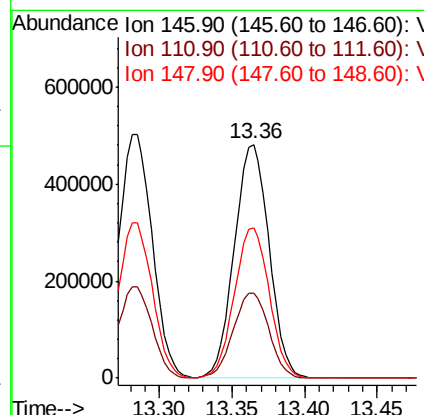
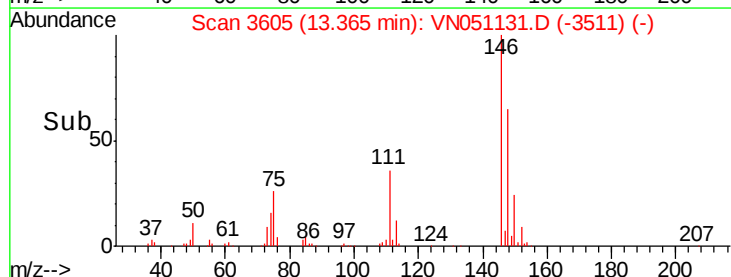
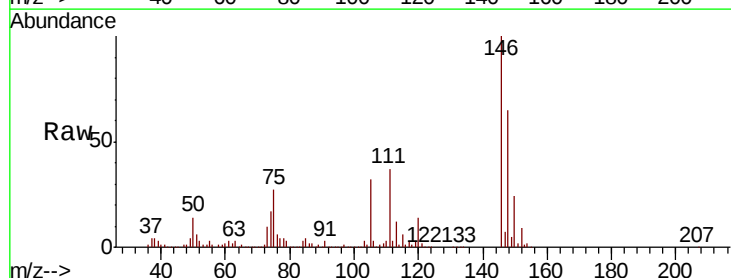
Manual Integrations
 APPROVED

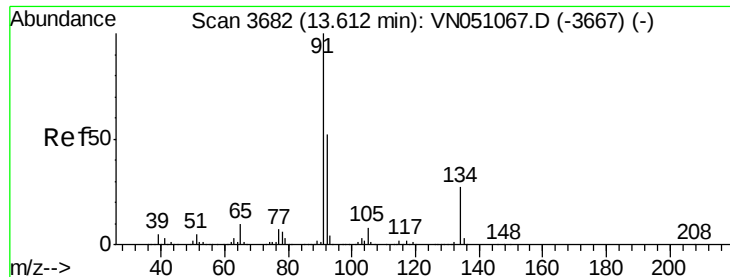
MMDadoda
 9/12/2018 10:07:18 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.28 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	64.7	32.2	96.6





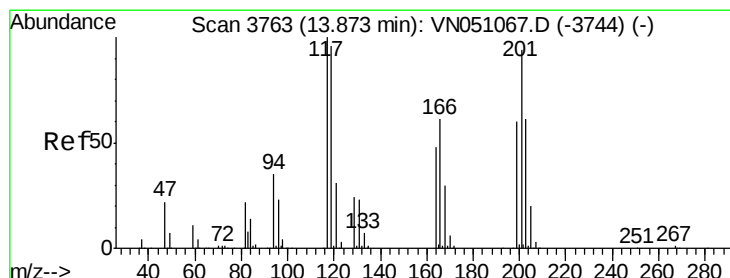
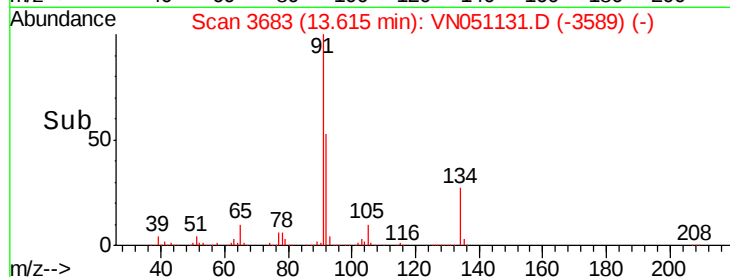
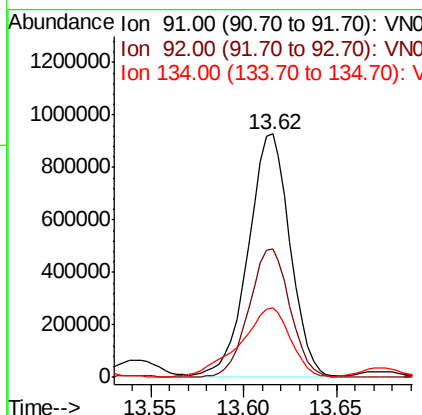
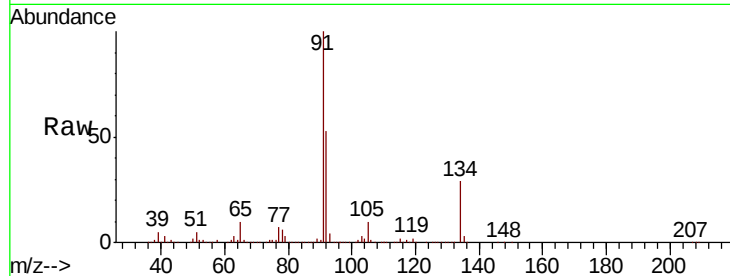
#89
n-Butylbenzene
Concen: 63.48 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-DMSD

Tot Ion: 91 Resp: 1461276
Ion Ratio Lower Upper
91 100
92 51.4 26.2 78.6
134 34.6 13.7 41.1

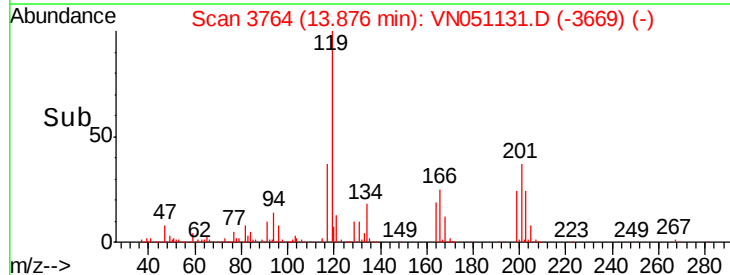
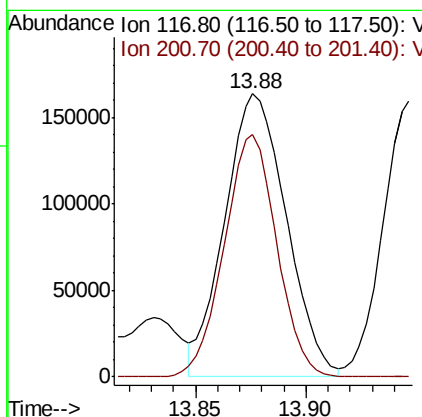
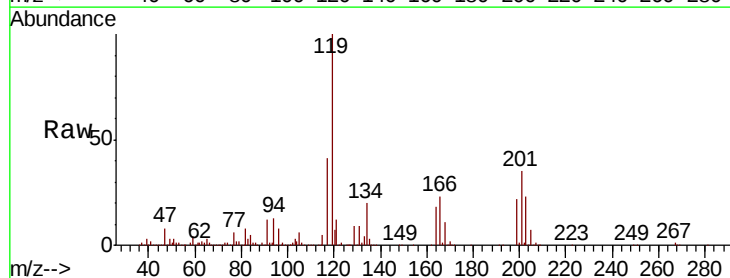
Manual Integrations
APPROVED

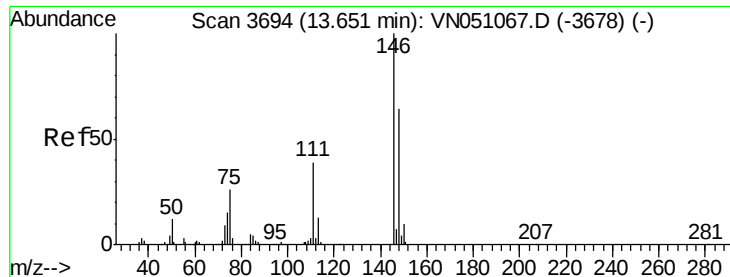
MMDadoda
9/12/2018 10:07:18 AM



#90
Hexachloroethane
Concen: 58.78 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051131.D
Acq: 11 Sep 2018 16:51

Tgt Ion: 117 Resp: 315948
Ion Ratio Lower Upper
117 100
201 73.4 47.3 142.0





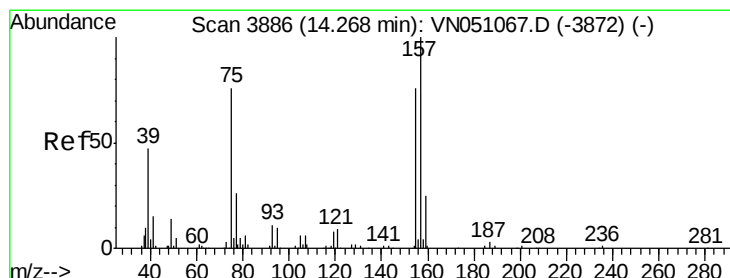
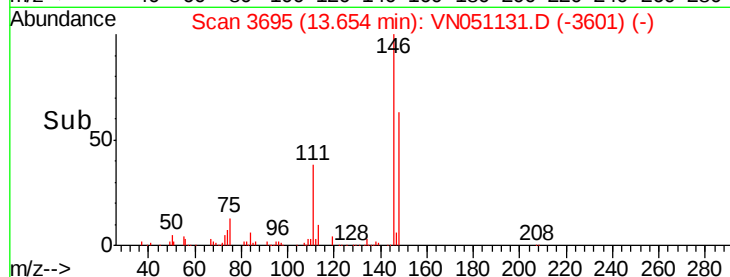
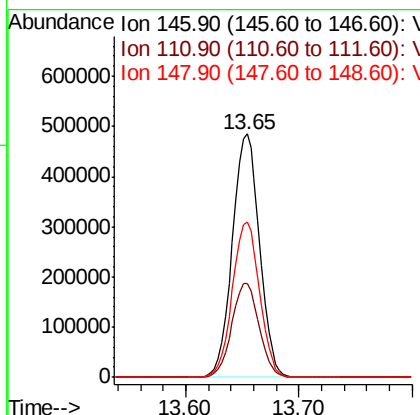
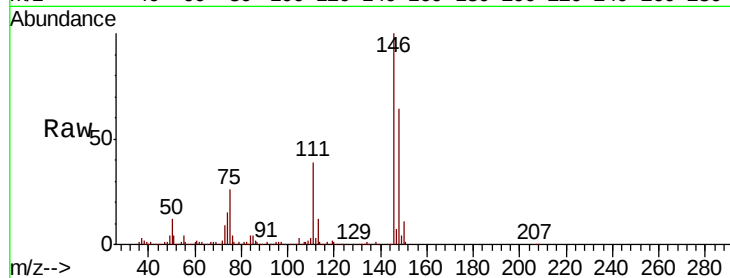
#91
 1,2-Dichlorobenzene
 Concen: 47.73 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.0	32.1	96.3

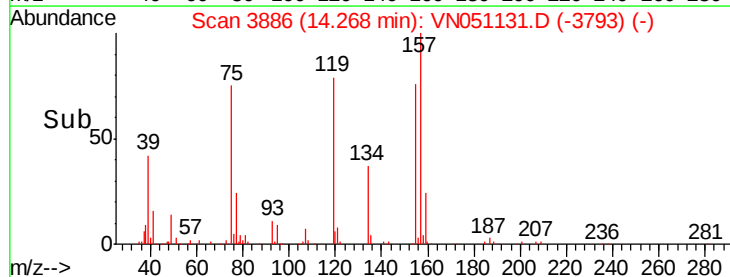
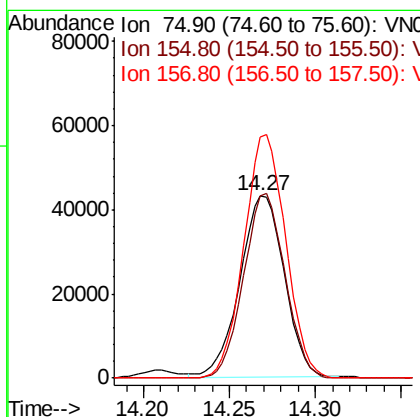
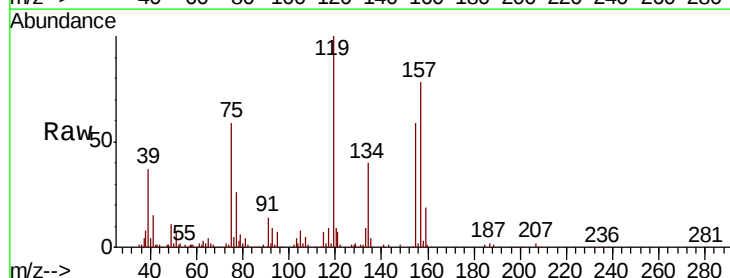
Manual Integrations
 APPROVED

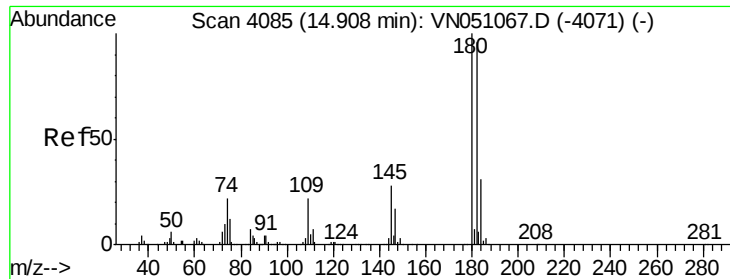
MMDadoda
 9/12/2018 10:07:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.49 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.7	146.1
157	125.5	63.6	190.9





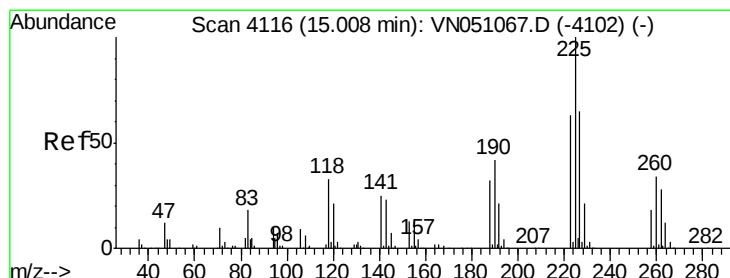
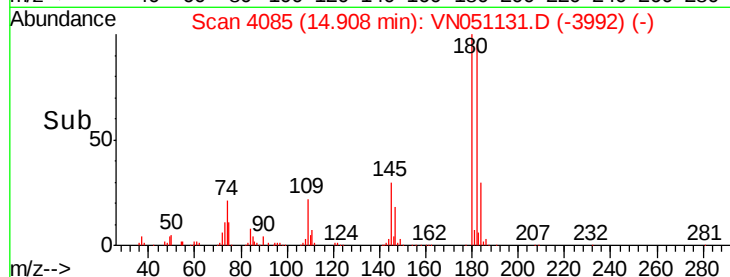
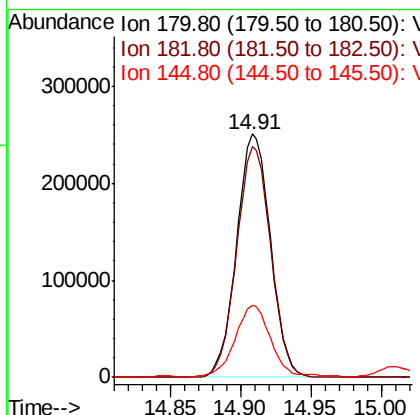
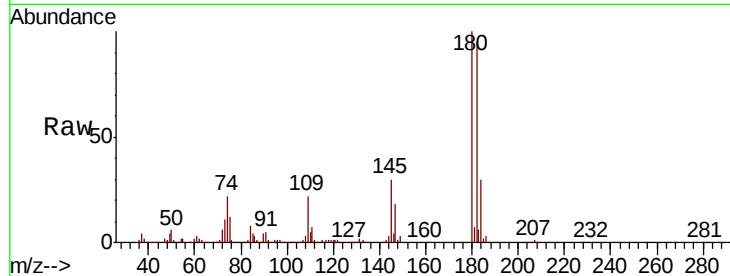
#93
 1,2,4-Trichlorobenzene
 Concen: 51.52 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-DMSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	422404		
182	95.1	47.3	141.8	
145	30.9	14.2	42.6	

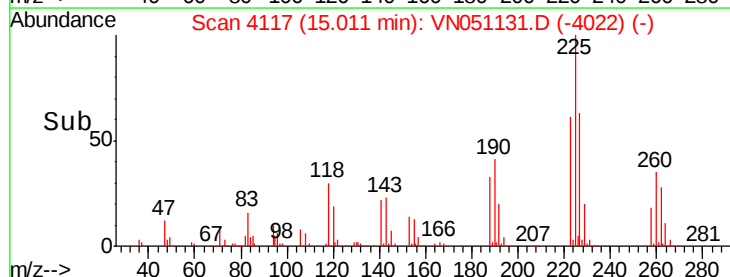
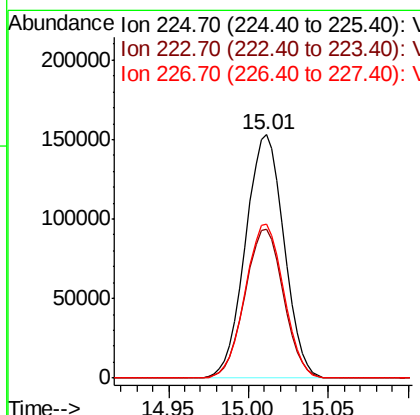
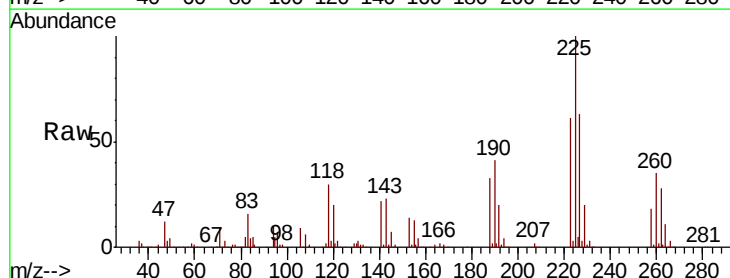
Manual Integrations
 APPROVED

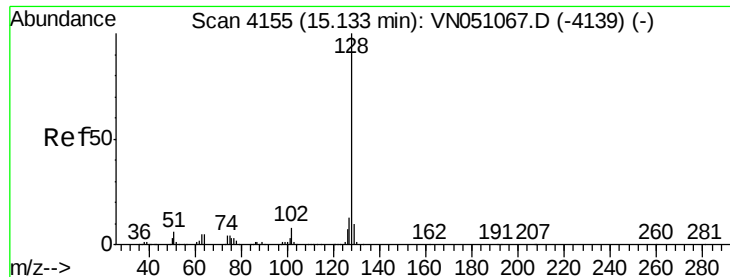
MMDadoda
 9/12/2018 10:07:18 AM



#94
 Hexachlorobutadiene
 Concen: 51.16 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051131.D
 Acq: 11 Sep 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	252072		
223	61.3	31.4	94.0	
227	63.3	32.1	96.3	





#95

Naphthalene

Concen: 55.78 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Instrument :

MSVOA_N

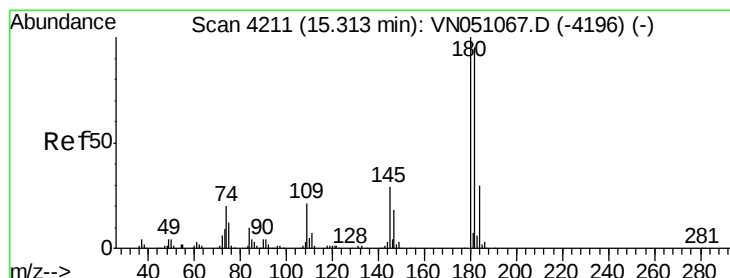
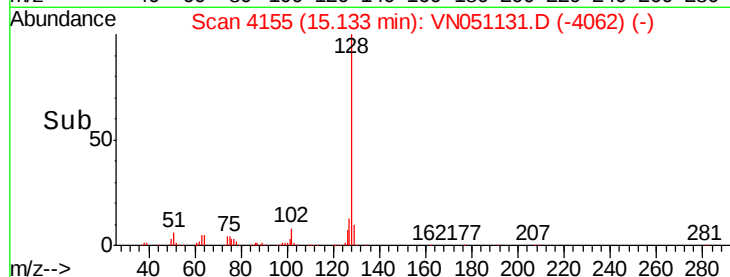
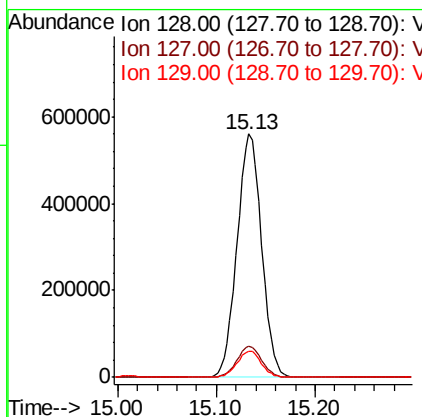
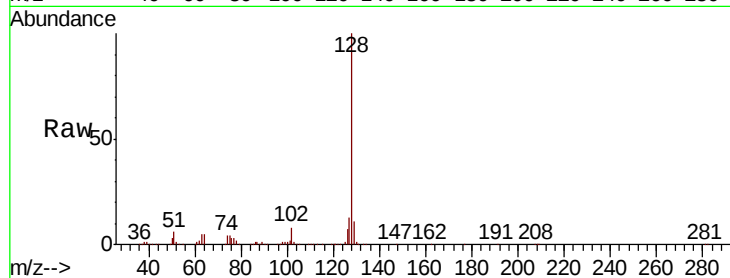
ClientSampleId :

EP1-MW-DMSD

Tot Ion:	128	Resp:	964844
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.21 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051131.D

Acq: 11 Sep 2018 16:51

Tgt Ion:	180	Resp:	417296
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	29.9	14.6	43.8

