

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051752.D
 Acq On : 9 Oct 2018 16:51
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:31 AM

Quant Time: Oct 10 04:08:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	663303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	977297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	534098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400988	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.59	113	377949	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1384751	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	502479	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	387081	46.739	ug/l	99
3) Chloromethane	2.06	50	323775	42.772	ug/l	98
4) Vinyl Chloride	2.18	62	495874	41.586	ug/l	99
5) Bromomethane	2.56	94	417725	45.553	ug/l	99
6) Chloroethane	2.70	64	338767	42.271	ug/l	97
7) Trichlorofluoromethane	3.01	101	636214	51.284	ug/l	100
8) Diethyl Ether	3.41	74	170482	49.063	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	316747	47.792	ug/l	97
10) Methyl Iodide	3.95	142	419485	47.971	ug/l	100
11) Tert butyl alcohol	4.80	59	150887	253.372	ug/l	100
12) 1,1-Dichloroethene	3.74	96	280141	45.351	ug/l	96
13) Acrolein	3.61	56	64209	161.122	ug/l	98
14) Allyl chloride	4.33	41	390238	41.421	ug/l	98
15) Acrylonitrile	4.99	53	503554	245.039	ug/l	100
16) Acetone	3.82	43	397095	272.537	ug/l	99
17) Carbon Disulfide	4.05	76	752525	40.079	ug/l	100
18) Methyl Acetate	4.33	43	256755	53.087	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	965730	47.364	ug/l	99
20) Methylene Chloride	4.55	84	332573	46.131	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	329098	44.959	ug/l	93
22) Diisopropyl ether	5.96	45	886870	43.914	ug/l	97
23) Vinyl Acetate	5.90	43	3290188	221.569	ug/l	96
24) 1,1-Dichloroethane	5.85	63	577973	44.499	ug/l	98
25) 2-Butanone	6.84	43	612089	241.904	ug/l	94
26) 2,2-Dichloropropane	6.83	77	587705	45.152	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	400080	47.082	ug/l	94
28) Bromochloromethane	7.20	49	244577	42.534	ug/l	85
29) Tetrahydrofuran	7.21	42	380066	244.768	ug/l	93
30) Chloroform	7.37	83	691950	47.415	ug/l	98
31) Cyclohexane	7.66	56	498647	41.920	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	661731	46.782	ug/l	98
36) 1,1-Dichloropropene	7.80	75	487648	47.738	ug/l	97
37) Ethyl Acetate	6.93	43	257644	48.359	ug/l	97
38) Carbon Tetrachloride	7.78	117	606173	49.453	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051752.D
 Acq On : 9 Oct 2018 16:51
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:31 AM

Quant Time: Oct 10 04:08:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	632353	49.315	ug/l	97
40) Benzene	8.04	78	1470688	48.566	ug/l	98
41) Methacrylonitrile	7.18	41	132394	48.219	ug/l	94
42) 1,2-Dichloroethane	8.13	62	494958	48.499	ug/l	99
43) Isopropyl Acetate	8.17	43	539272	48.549	ug/l #	86
44) Trichloroethene	8.84	130	445586	51.822	ug/l	100
45) 1,2-Dichloropropane	9.12	63	355664	47.504	ug/l	100
46) Dibromomethane	9.21	93	275287	52.898	ug/l	99
47) Bromodichloromethane	9.40	83	560196	48.899	ug/l	99
48) Methyl methacrylate	9.20	41	247911	48.843	ug/l	94
49) 1,4-Dioxane	9.20	88	88011	1156.391	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1436053	255.132	ug/l	98
52) Toluene	10.16	92	1010110	50.152	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	573085	48.480	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	605474	48.234	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	379705	52.921	ug/l	98
56) Ethyl methacrylate	10.43	69	477617	52.639	ug/l	94
57) 1,3-Dichloropropane	10.71	76	584177	51.443	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	959269	255.450	ug/l	95
59) 2-Hexanone	10.75	43	976620	255.485	ug/l	98
60) Dibromochloromethane	10.90	129	487680	51.939	ug/l	100
61) 1,2-Dibromoethane	11.01	107	405136	53.413	ug/l	99
64) Tetrachloroethene	10.63	164	424909	51.613	ug/l	98
65) Chlorobenzene	11.43	112	1188052	51.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	469338	50.720	ug/l	99
67) Ethyl Benzene	11.51	91	1997014	49.994	ug/l	100
68) m/p-Xylenes	11.62	106	1625879	101.727	ug/l	98
69) o-Xylene	11.95	106	793877	50.648	ug/l	99
70) Styrene	11.96	104	1276506	51.109	ug/l	98
71) Bromoform	12.13	173	351967	51.137	ug/l #	100
73) Isopropylbenzene	12.25	105	2139103	46.984	ug/l	100
74) N-amyl acetate	12.07	43	462328	49.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	483352	55.155	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	412919m	63.314	ug/l	
77) Bromobenzene	12.53	156	544560	48.917	ug/l	95
78) n-propylbenzene	12.59	91	2343189	47.186	ug/l	99
79) 2-Chlorotoluene	12.68	91	1373378	46.926	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1817701	47.375	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137766	47.415	ug/l	99
82) 4-Chlorotoluene	12.77	91	1405812	47.816	ug/l	98
83) tert-Butylbenzene	12.99	119	1671742	48.625	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1844663	47.998	ug/l	98
85) sec-Butylbenzene	13.17	105	2198681	48.347	ug/l	100
86) p-Isopropyltoluene	13.29	119	1986910	49.283	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1000119	51.558	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	961981	50.383	ug/l	100
89) n-Butylbenzene	13.62	91	1580516	49.582	ug/l	99
90) Hexachloroethane	13.88	117	367432	45.679	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	977151	50.672	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78517	49.093	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
Data File : VN051752.D
Acq On : 9 Oct 2018 16:51
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM

Quant Time: Oct 10 04:08:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	499516	58.213	ug/l	98
94) Hexachlorobutadiene	15.01	225	308474	52.984	ug/l	98
95) Naphthalene	15.13	128	1068587	57.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	481342	56.957	ug/l	98

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

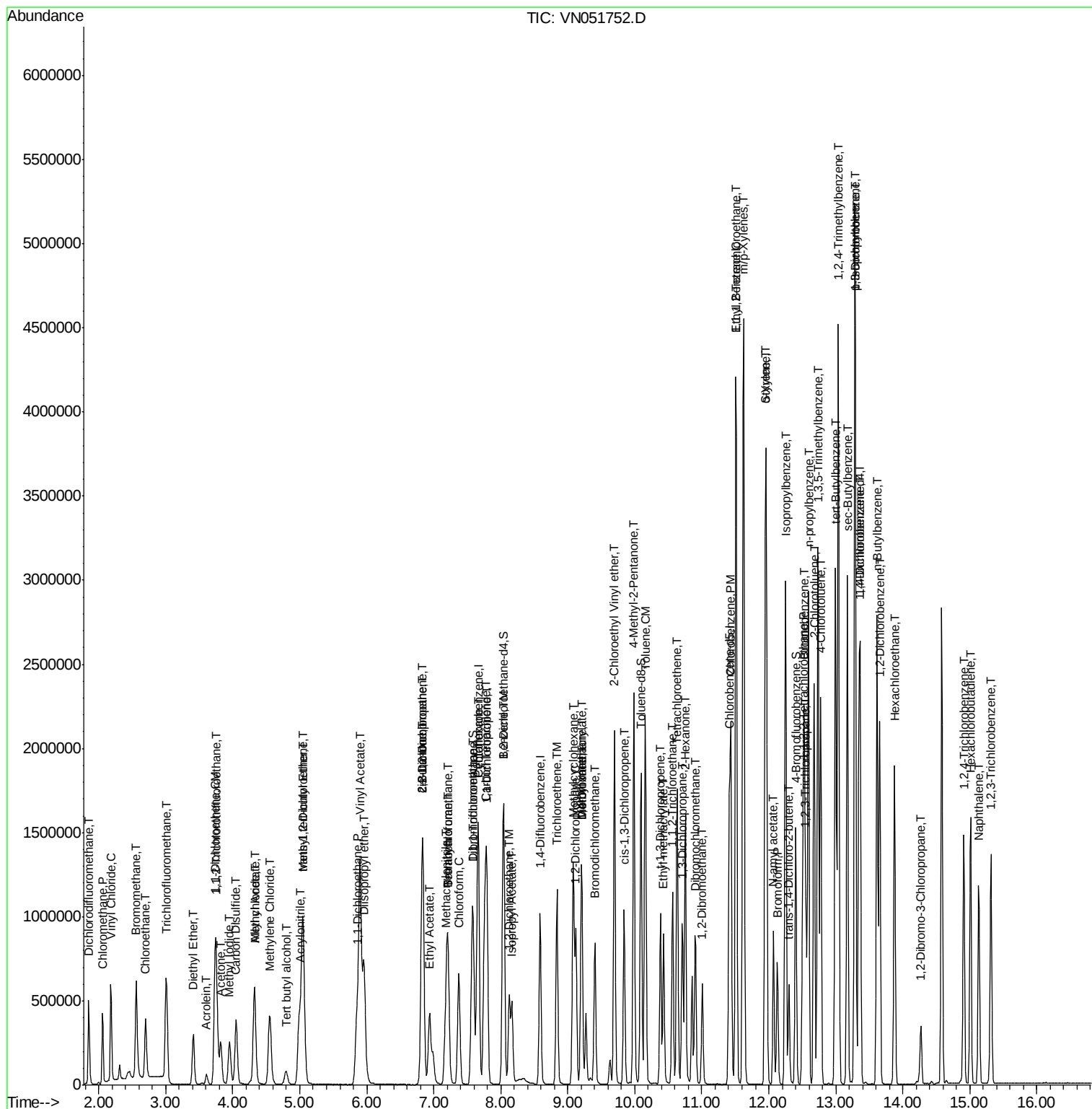
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
Data File : VN051752.D
Acq On : 9 Oct 2018 16:51
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 28

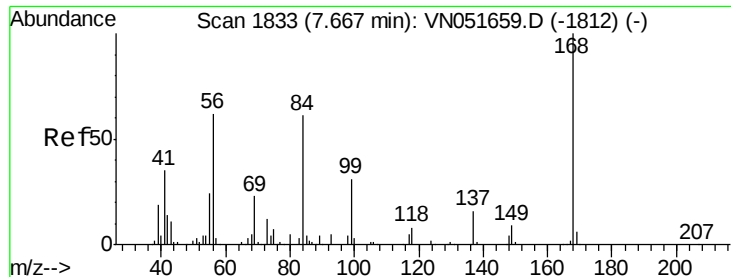
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MM Dadoda
10/10/2018 10:09:31 AM

Quant Time: Oct 10 04:08:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 663303

Ion Ratio Lower Upper

168 100

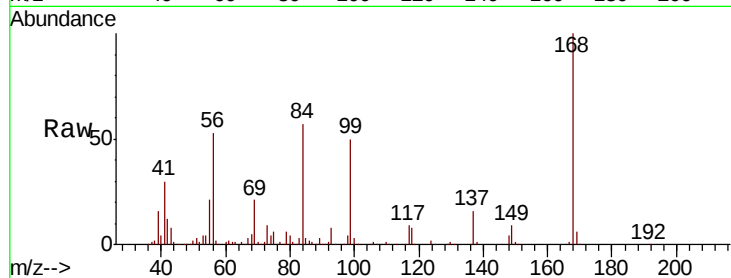
99 49.9 40.4 60.6

Manual Integrations

APPROVED

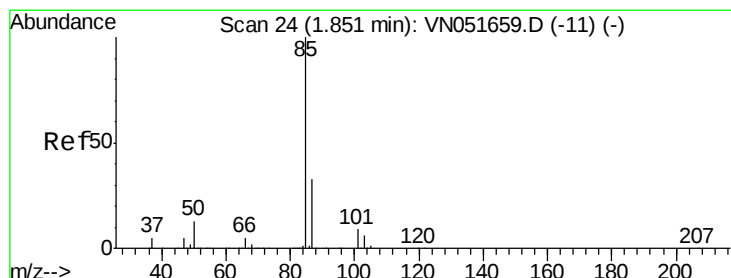
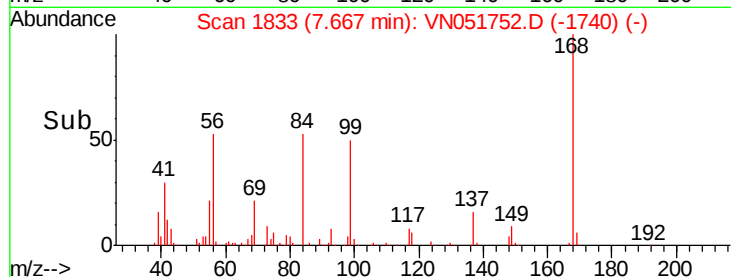
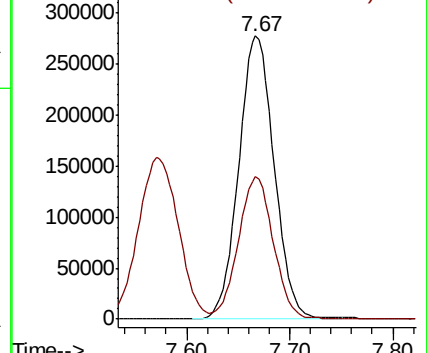
MMDadoda

10/10/2018 10:09:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.739 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051752.D

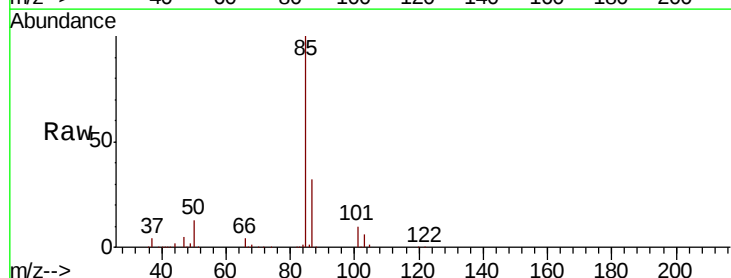
Acq: 9 Oct 2018 16:51

Tgt Ion: 85 Resp: 387081

Ion Ratio Lower Upper

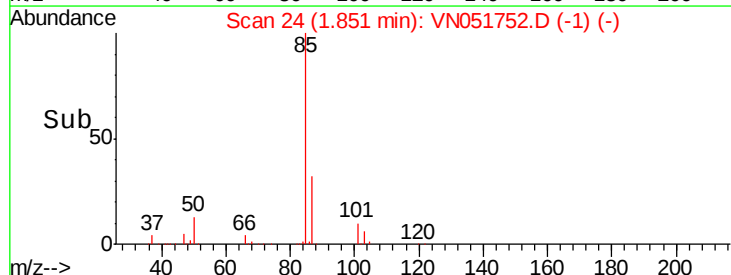
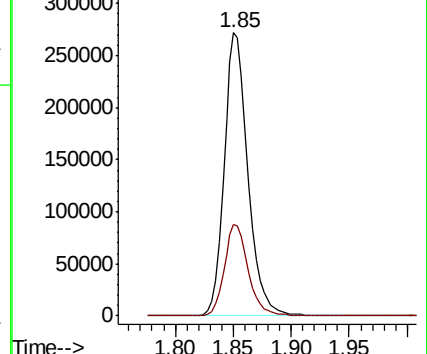
85 100

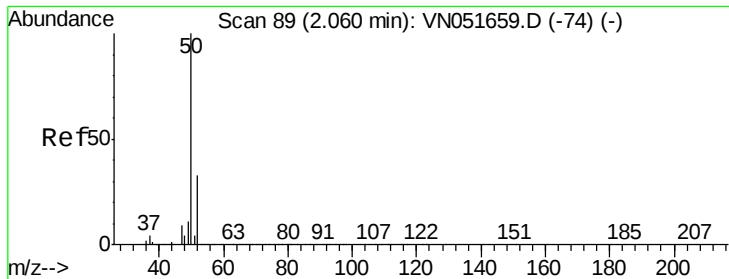
87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.772 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 323775

Ion Ratio Lower Upper

50 100

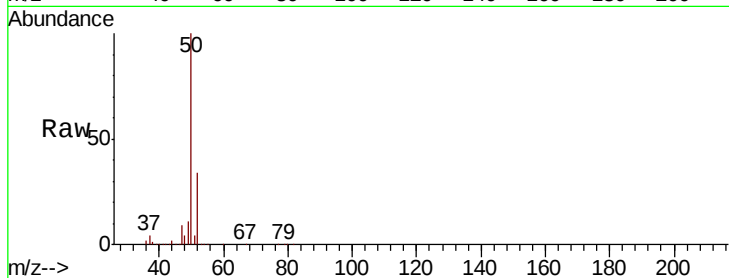
52 34.1 26.6 39.8

Manual Integrations

APPROVED

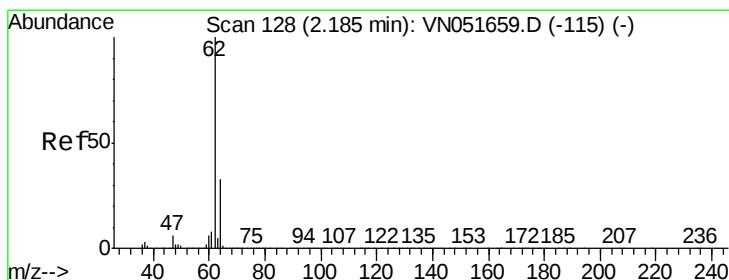
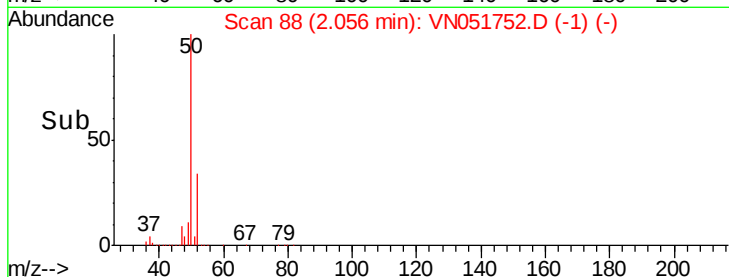
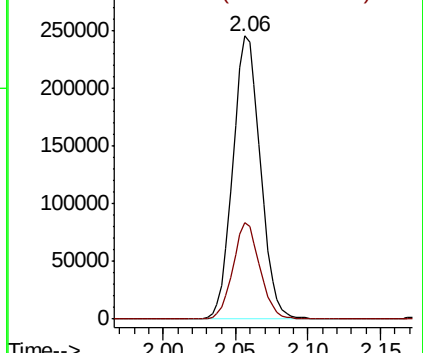
MMDadoda

10/10/2018 10:09:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 41.586 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051752.D

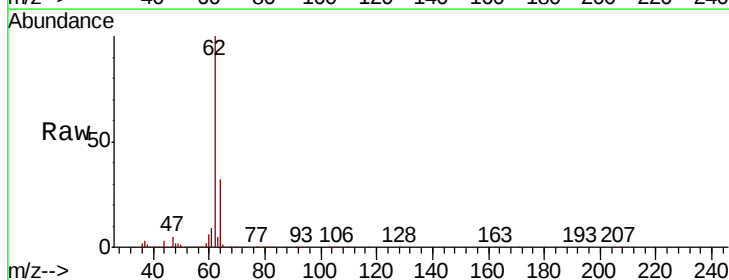
Acq: 9 Oct 2018 16:51

Tgt Ion: 62 Resp: 495874

Ion Ratio Lower Upper

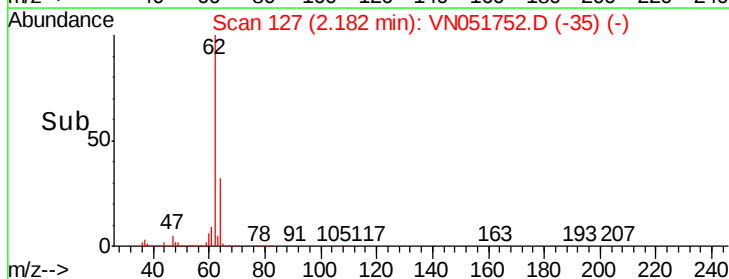
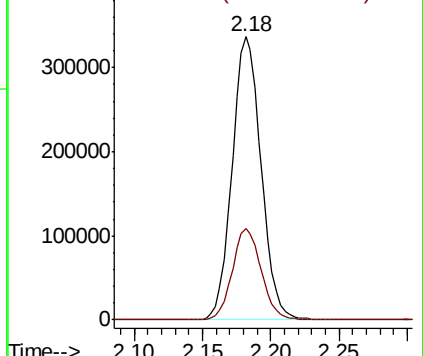
62 100

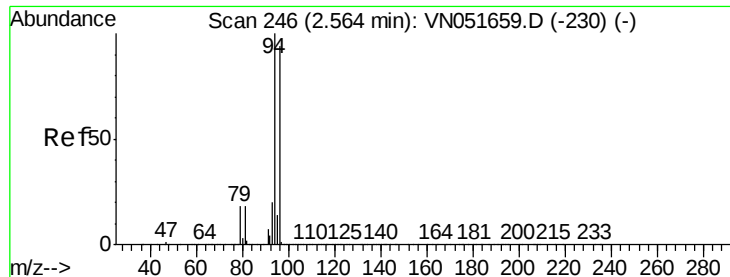
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 45.553 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 417725

Ion Ratio Lower Upper

94 100

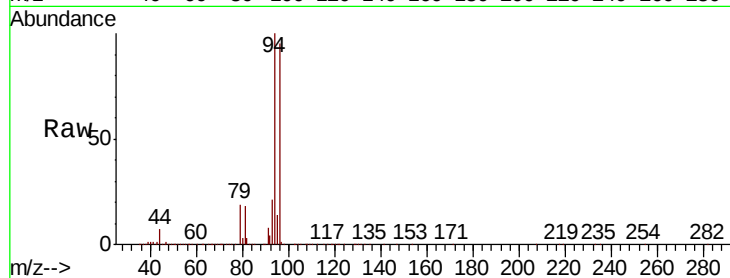
96 95.0 75.2 112.8

Manual Integrations

APPROVED

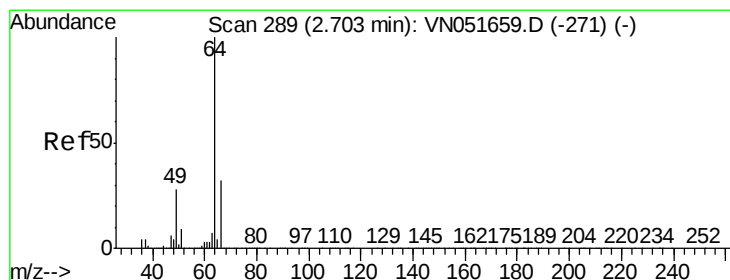
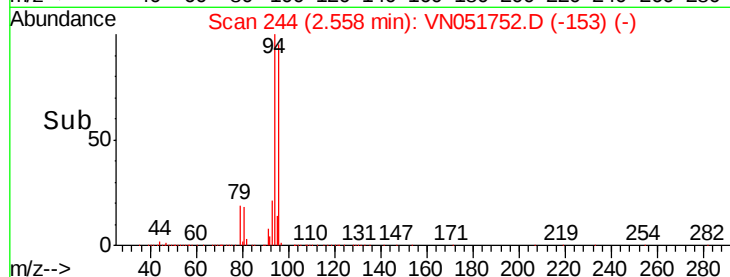
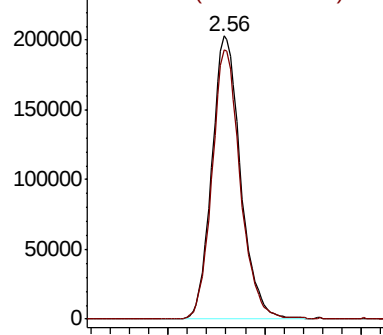
MMDadoda

10/10/2018 10:09:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 42.271 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051752.D

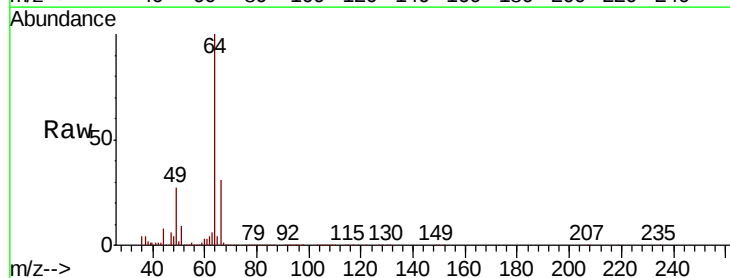
Acq: 9 Oct 2018 16:51

Tgt Ion: 64 Resp: 338767

Ion Ratio Lower Upper

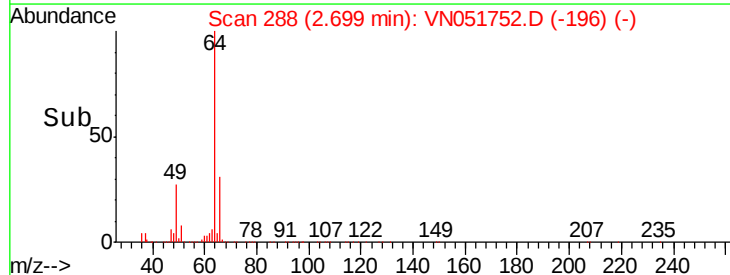
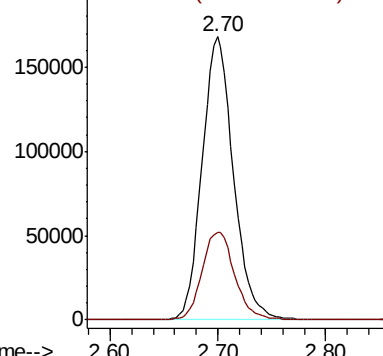
64 100

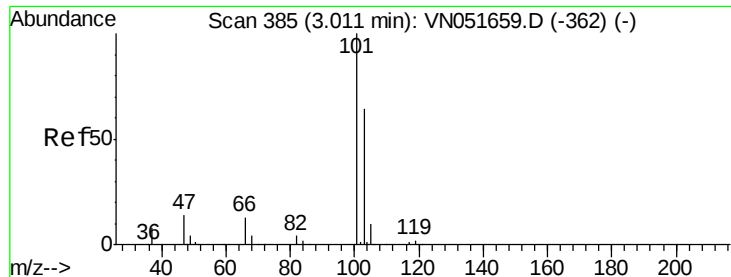
66 30.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

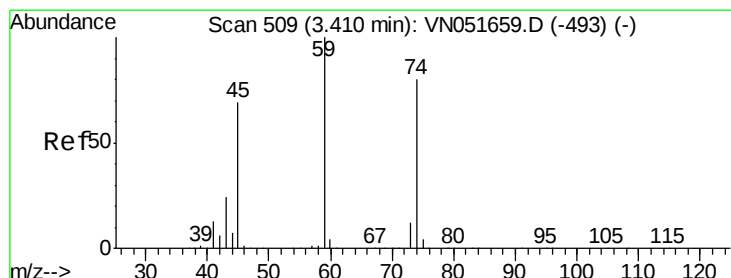
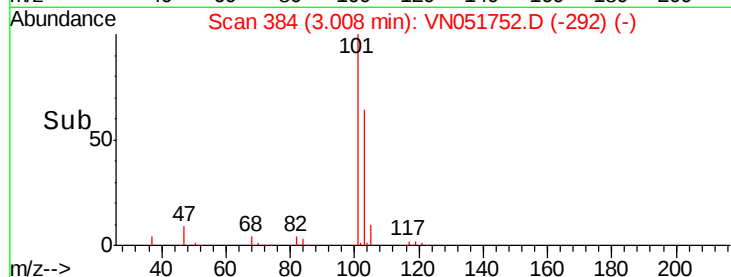
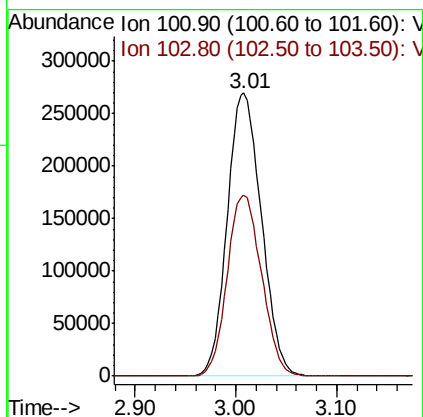
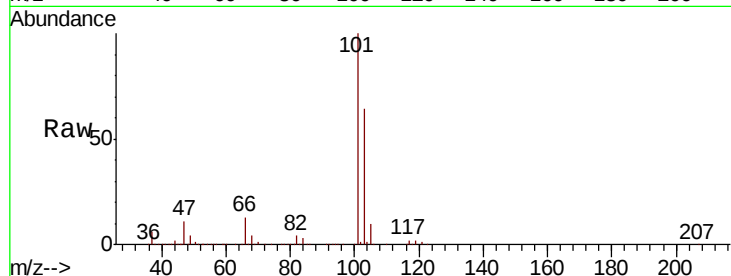
Trichlorofluoromethane
Concen: 51.284 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		636214		
103	64.0	51.1		76.7	

Manual Integrations
APPROVED

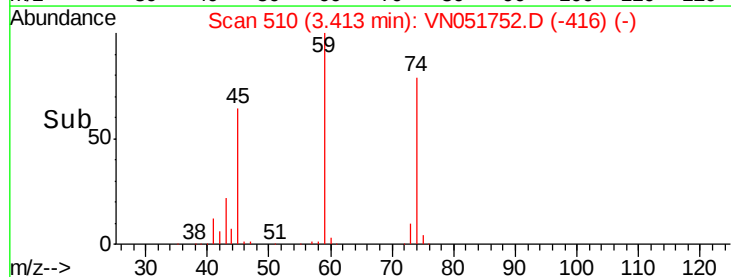
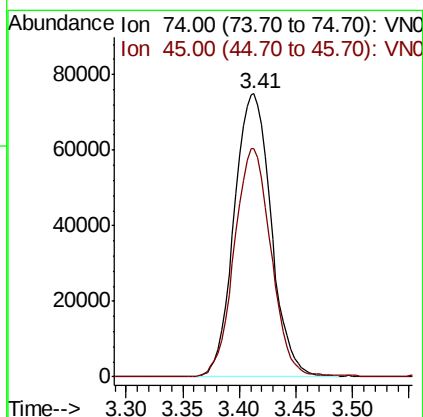
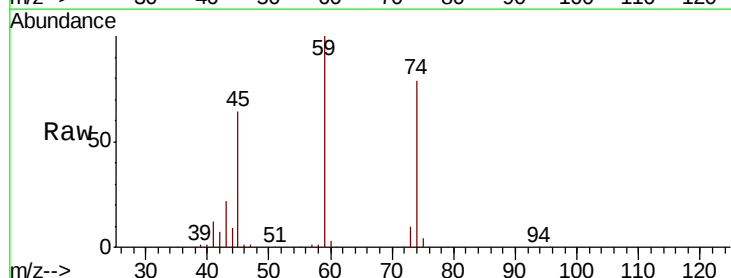
MMDadoda
10/10/2018 10:09:31 AM

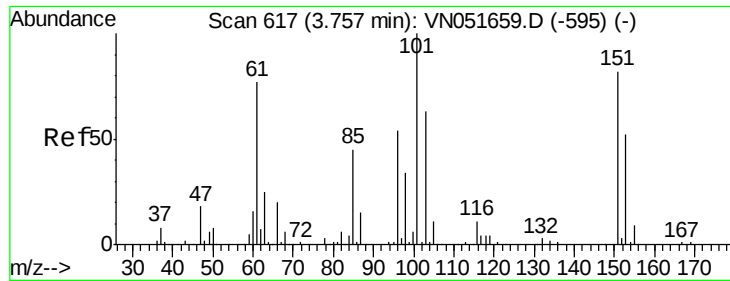


#8

Diethyl Ether
Concen: 49.063 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		170482		
45	80.4	44.3		132.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.792 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

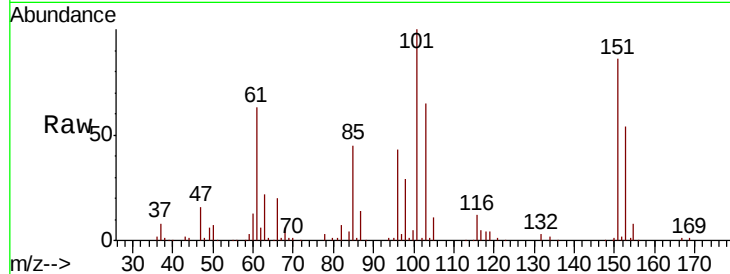
ClientSampleId :

VSTDCCC050

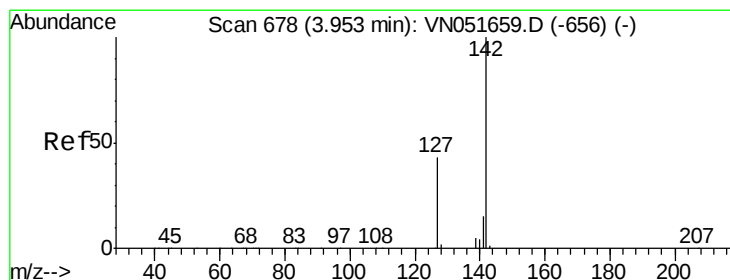
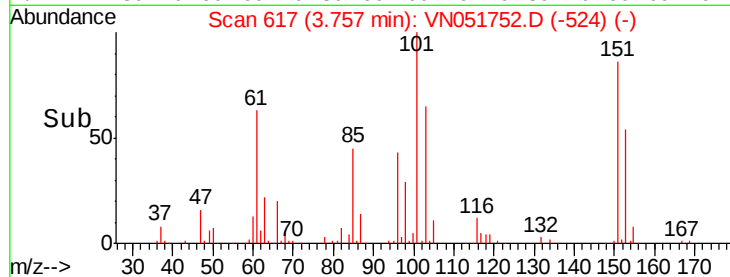
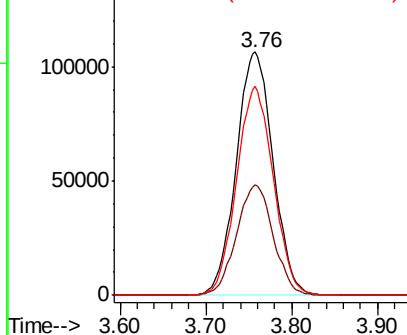
Tot Ion:	101	Resp:	316747
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.6	53.4
151	85.7	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 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: 47.971 ug/l

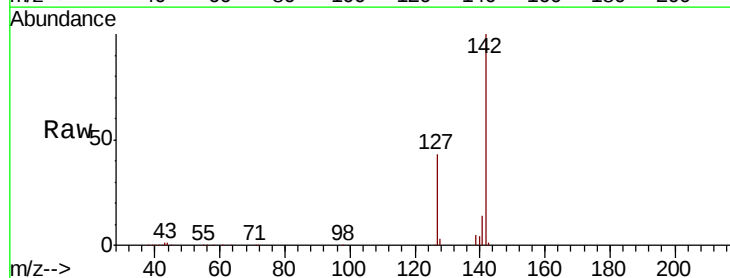
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

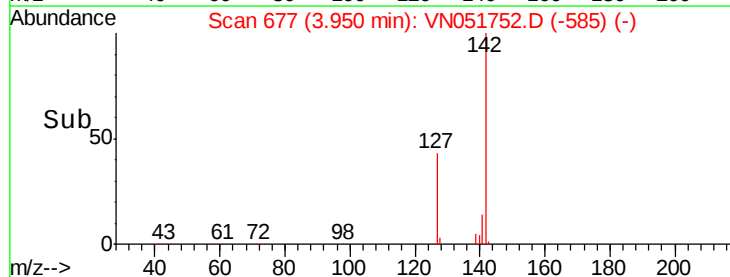
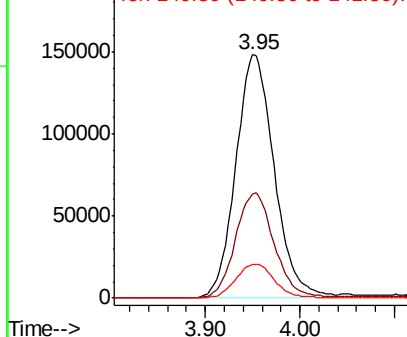
Lab File: VN051752.D

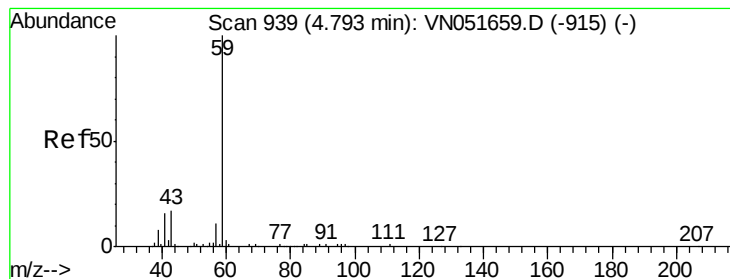
Acq: 9 Oct 2018 16:51

Tgt Ion:	142	Resp:	419485
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.7	52.1
141	14.2	11.4	17.2



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

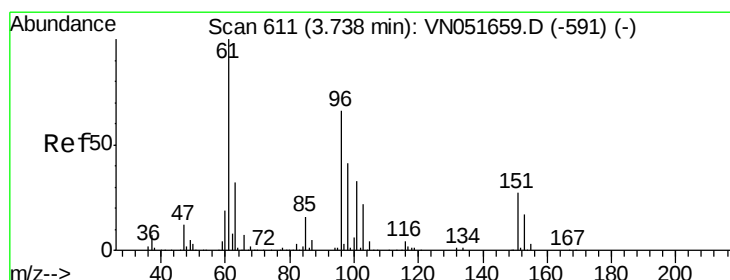
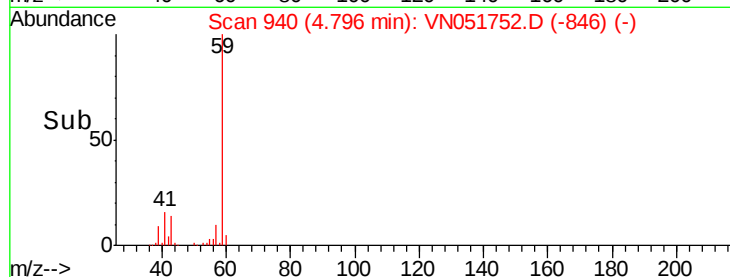
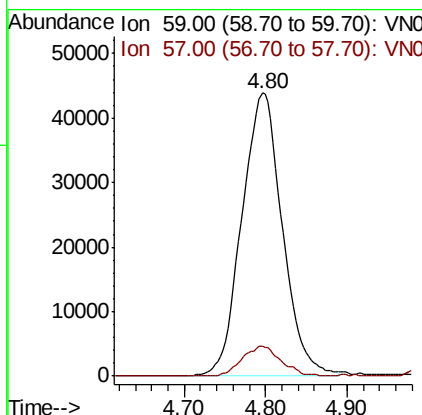
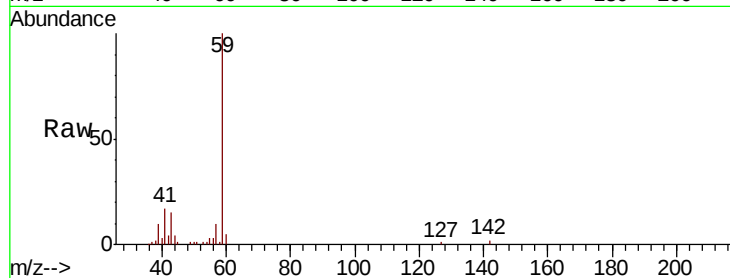
Tert butyl alcohol
Concen: 253.372 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	150887
Ion Ratio	100	Lower	Upper
57	10.0	8.1	12.1

Manual Integrations
APPROVED

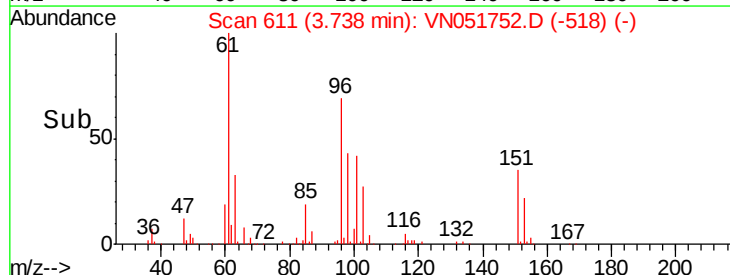
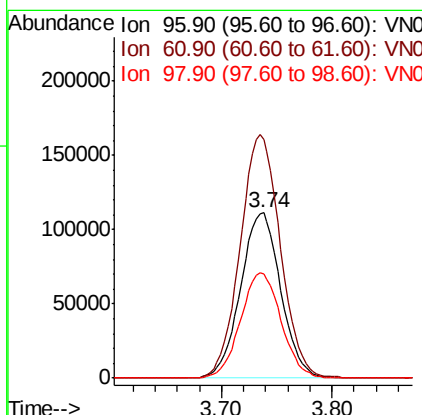
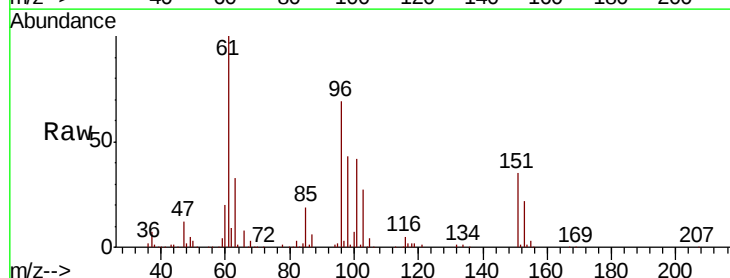
MMDadoda
10/10/2018 10:09:31 AM



#12

1,1-Dichloroethene
Concen: 45.351 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	96	Resp	280141
Ion Ratio	100	Lower	Upper
61	144.9	121.4	182.0
98	63.0	49.9	74.9





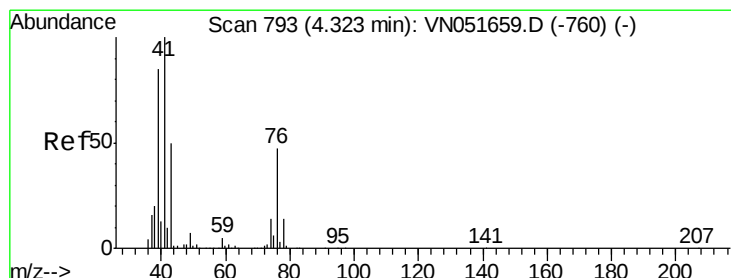
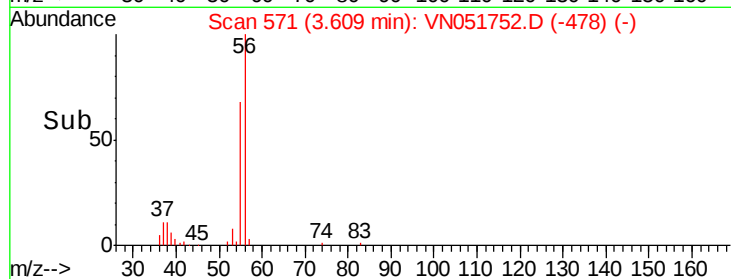
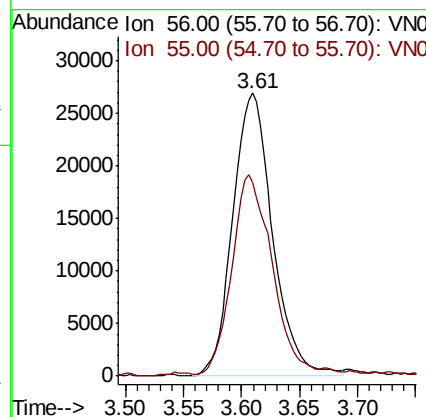
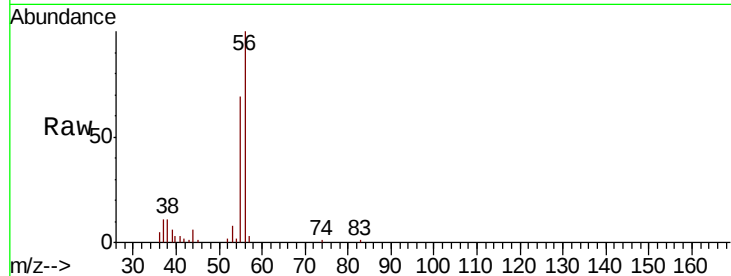
#13
Acrolein
Concen: 161.122 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.6	57.5	86.3

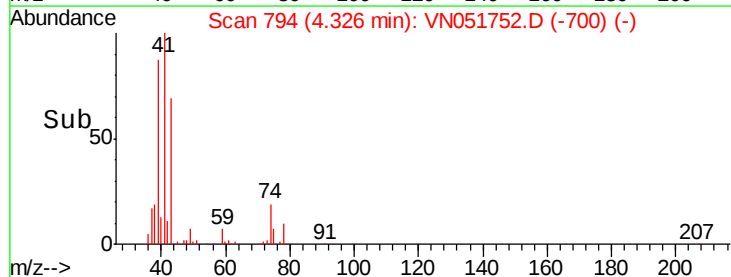
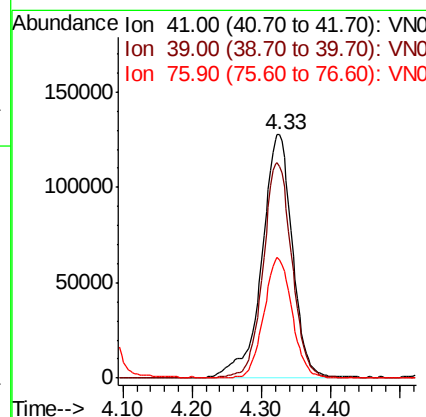
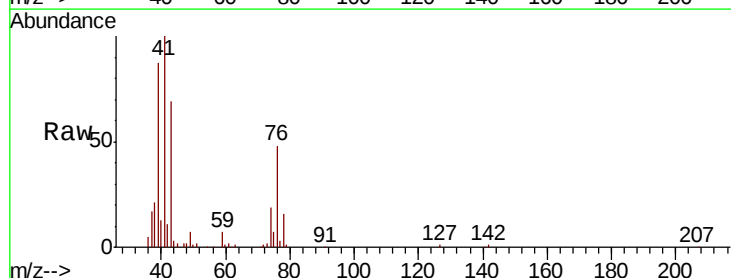
Manual Integrations
APPROVED

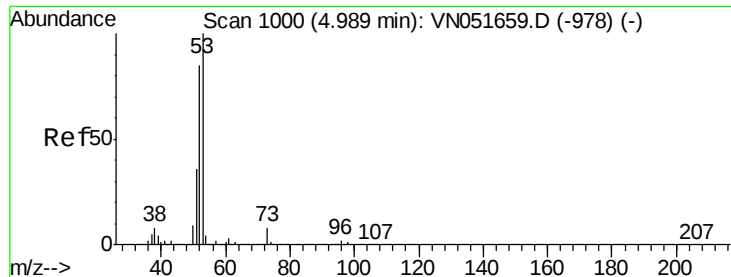
MMDadoda
10/10/2018 10:09:31 AM



#14
Allyl chloride
Concen: 41.421 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	83.6	65.4	98.0
76	76	44.9	34.3	51.5





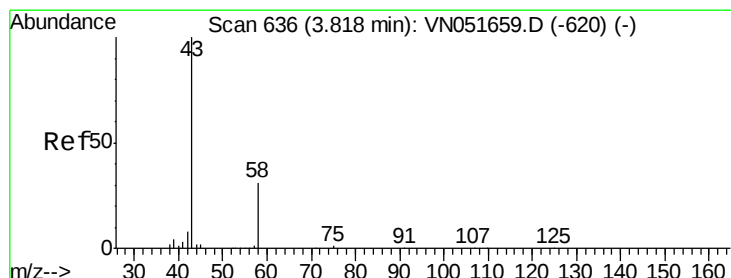
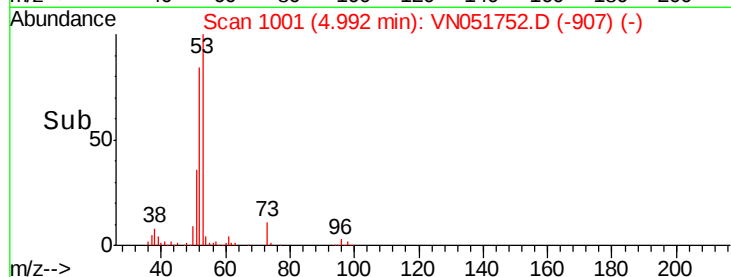
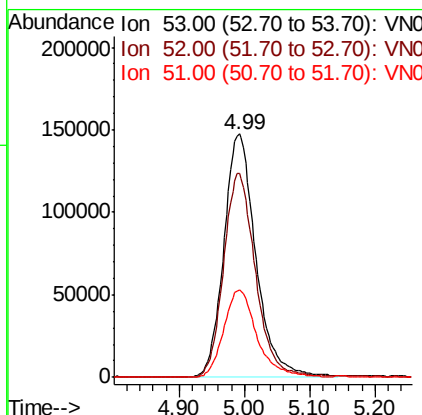
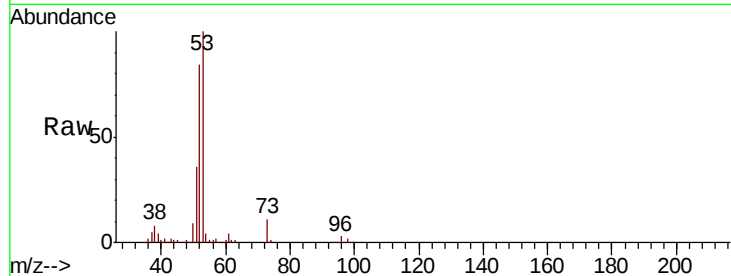
#15
 Acrylonitrile
 Concen: 245.039 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	37.4	30.3	45.5

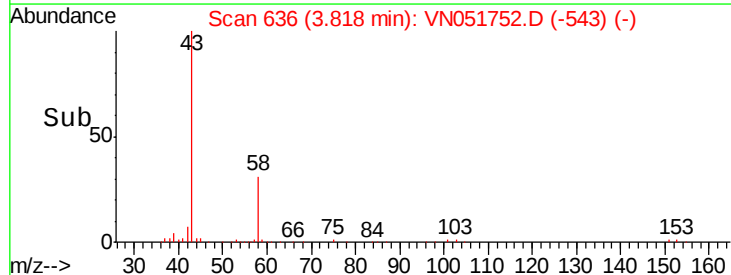
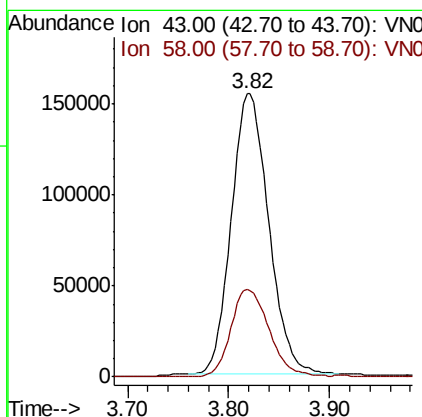
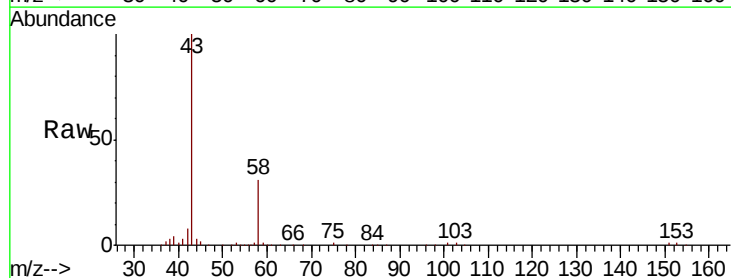
Manual Integrations
 APPROVED

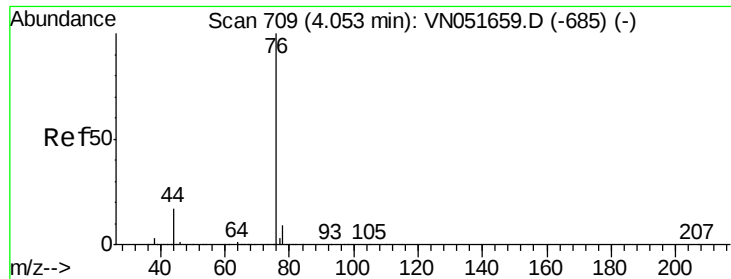
MMDadoda
 10/10/2018 10:09:31 AM



#16
 Acetone
 Concen: 272.537 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.3	36.5





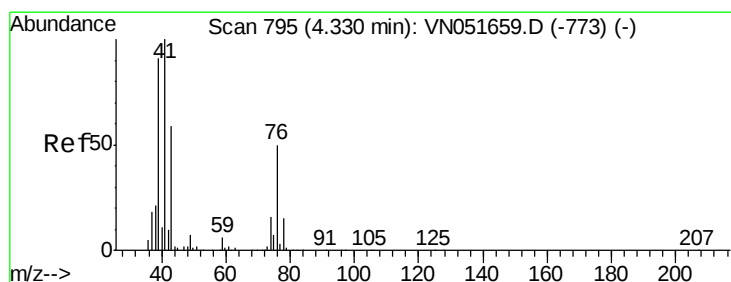
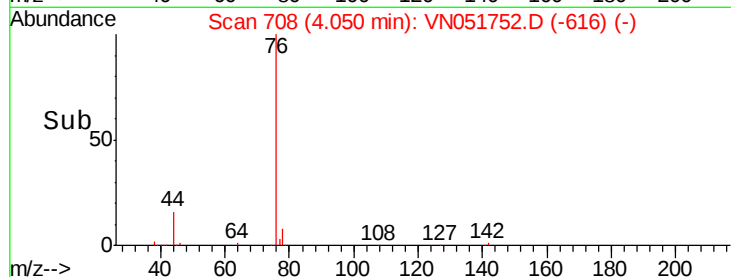
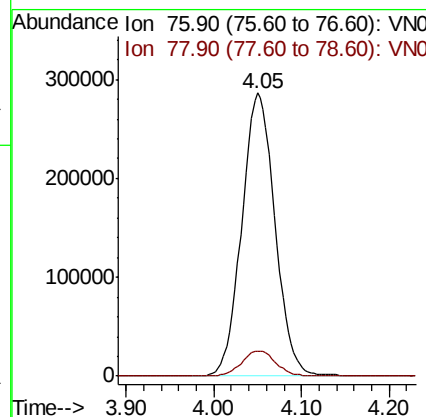
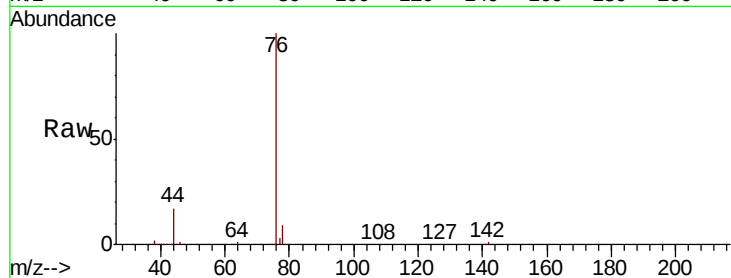
#17
Carbon Disulfide
Concen: 40.079 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

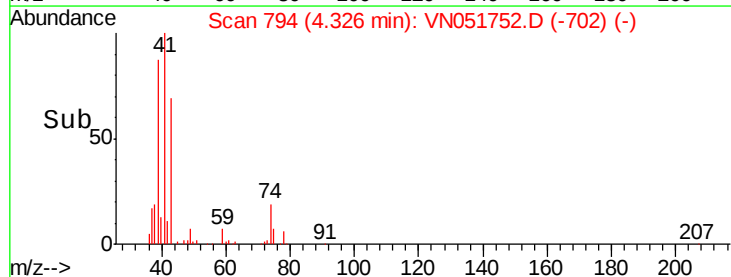
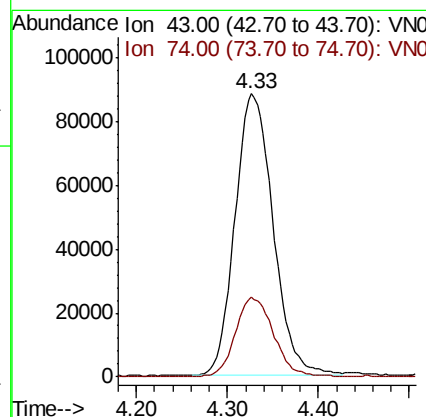
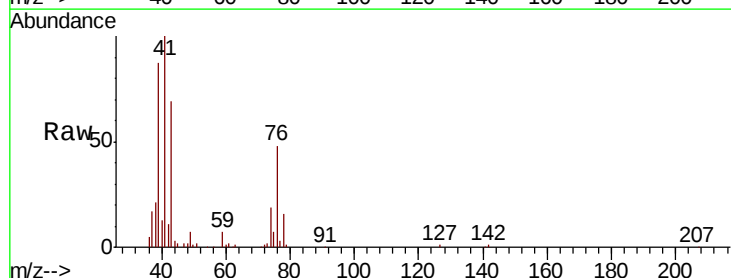
Manual Integrations
APPROVED

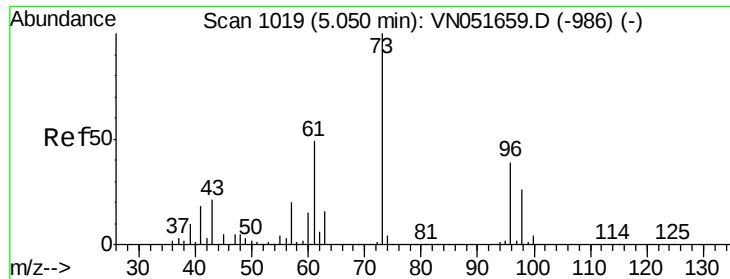
MMDadoda
10/10/2018 10:09:31 AM



#18
Methyl Acetate
Concen: 53.087 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	21.5	32.3





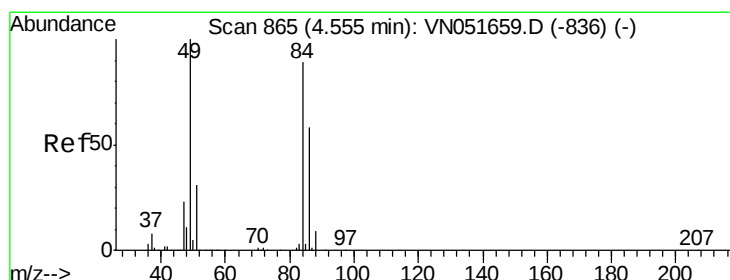
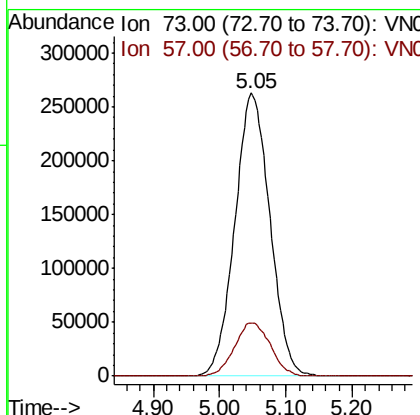
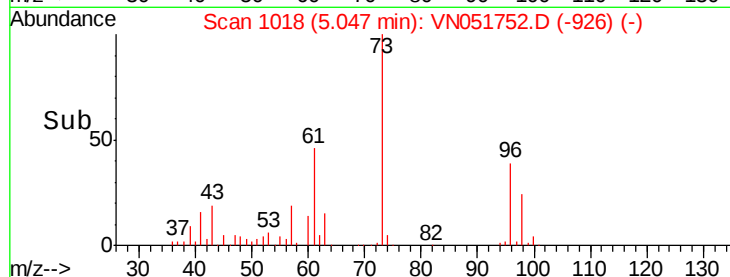
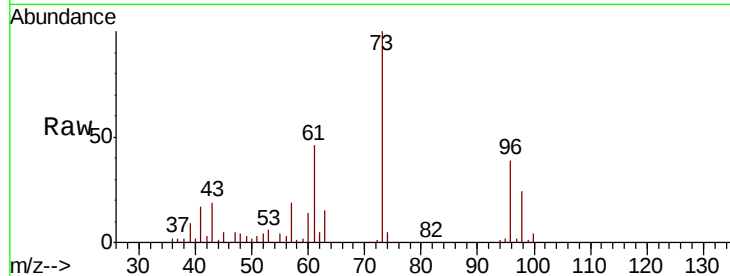
#19
Methvl tert-butvl Ether
Concen: 47.364 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 965730
Ion Ratio Lower Upper
73 100
57 18.9 15.6 23.4

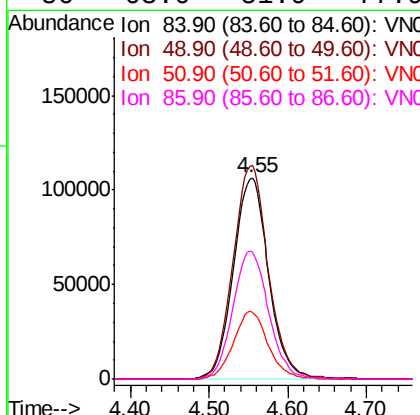
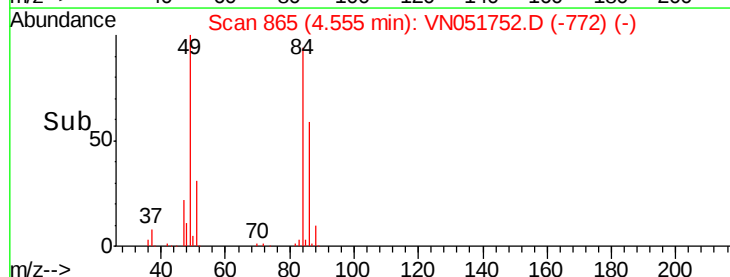
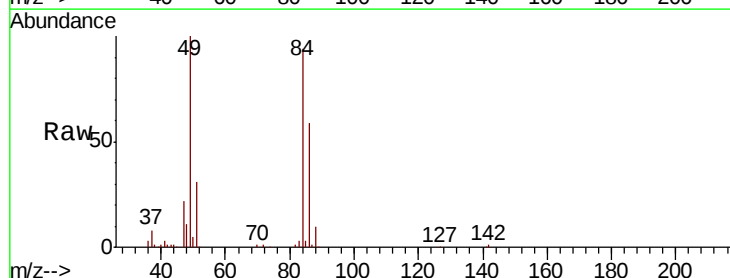
Manual Integrations
APPROVED

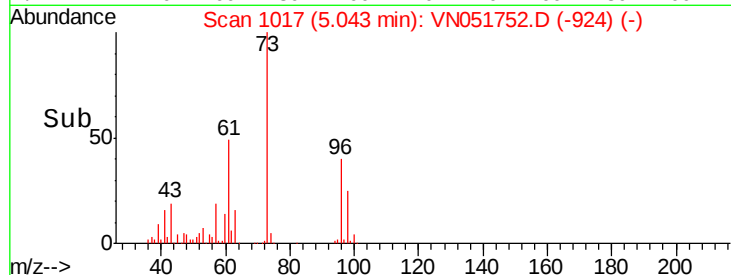
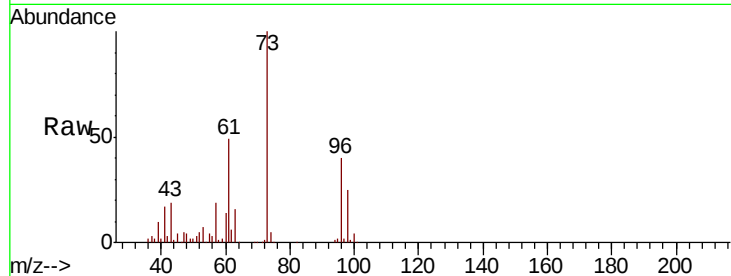
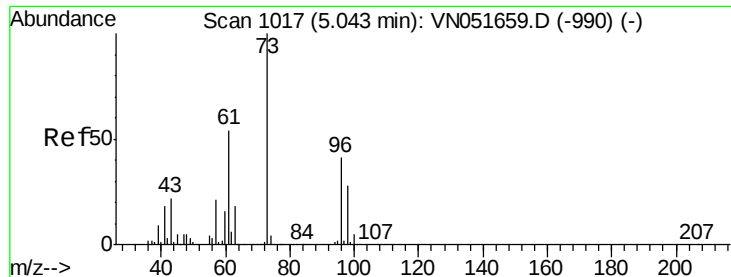
MMDadoda
10/10/2018 10:09:31 AM



#20
Methylene Chloride
Concen: 46.131 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 84 Resp: 332573
Ion Ratio Lower Upper
84 100
49 106.0 89.5 134.3
51 33.0 27.4 41.0
86 63.0 51.9 77.9





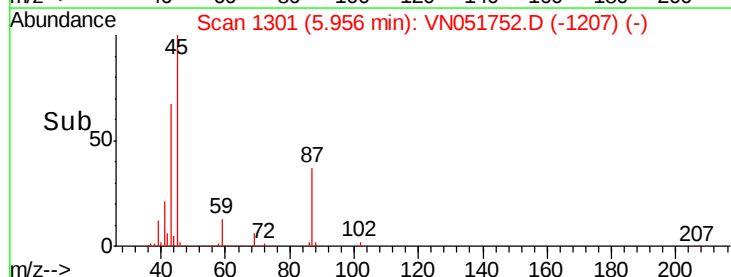
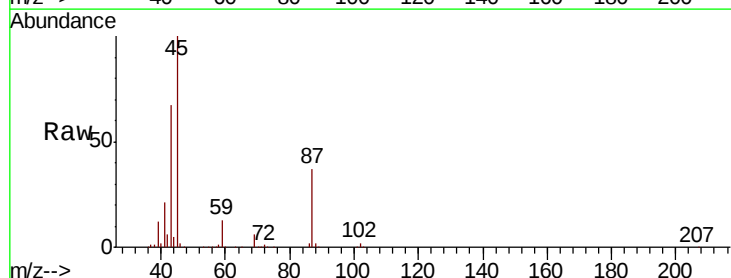
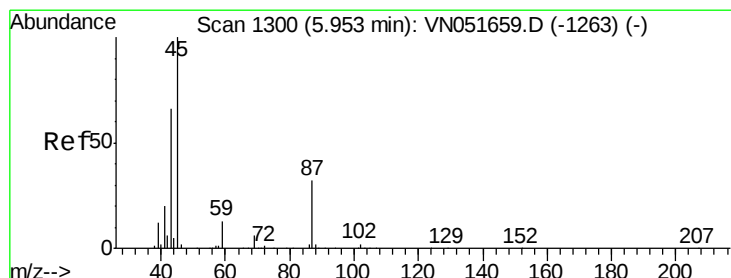
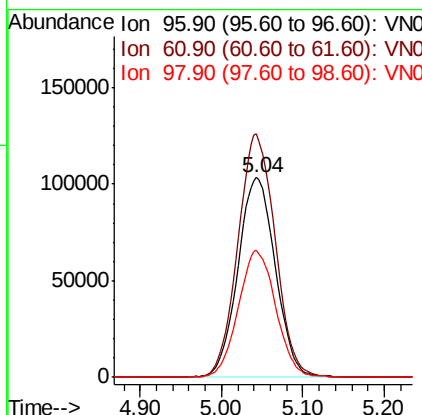
#21
trans-1,2-Dichloroethene
Concen: 44.959 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	104.7	157.1
98	63.4	54.6	82.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

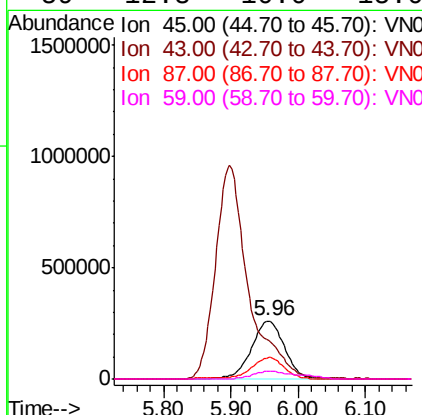
Manual Integrations
APPROVED

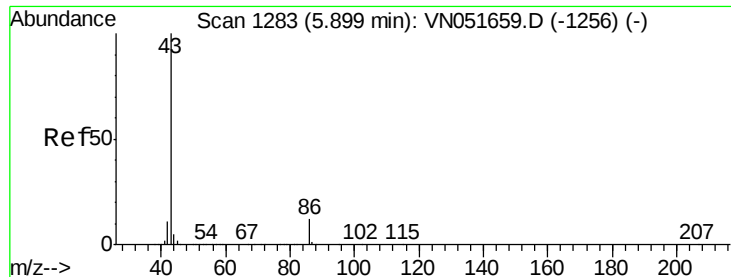
MMDadoda
10/10/2018 10:09:31 AM



#22
Diisopropyl ether
Concen: 43.914 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	53.0	79.4
87	36.8	26.4	39.6
59	12.8	10.0	15.0





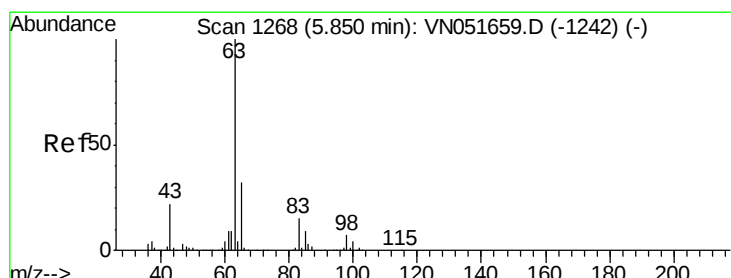
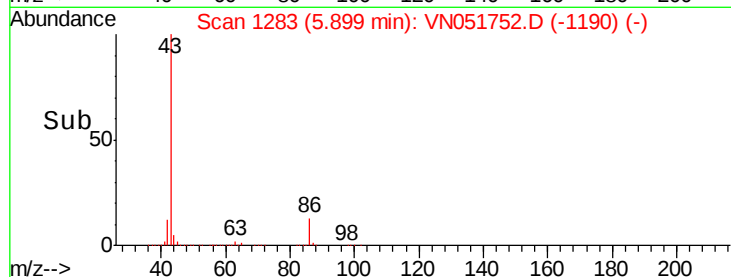
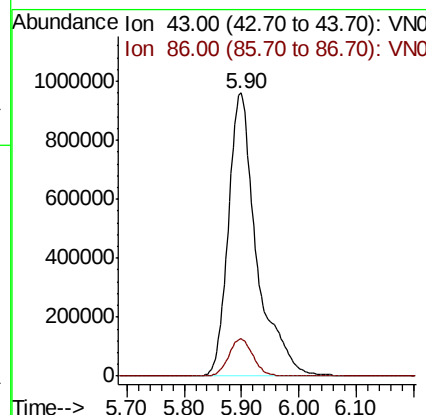
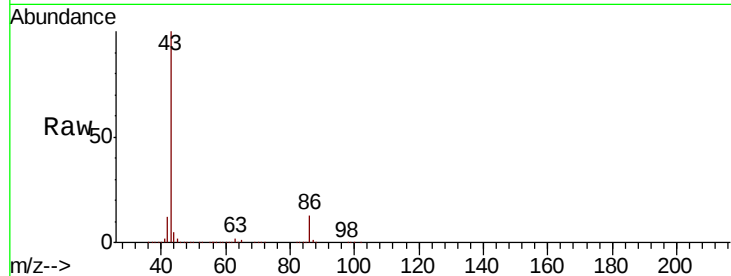
#23
 Vinyl Acetate
 Concen: 221.569 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3290188
 Ion Ratio Lower Upper
 43 100
 86 13.2 9.3 13.9

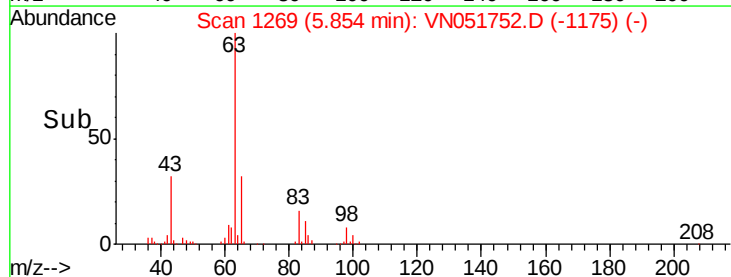
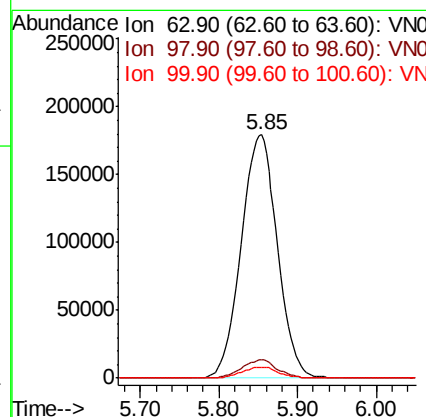
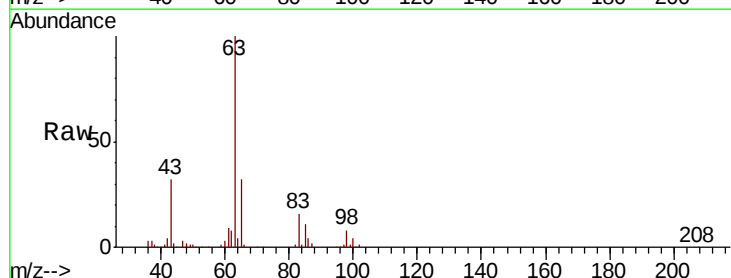
Manual Integrations
 APPROVED

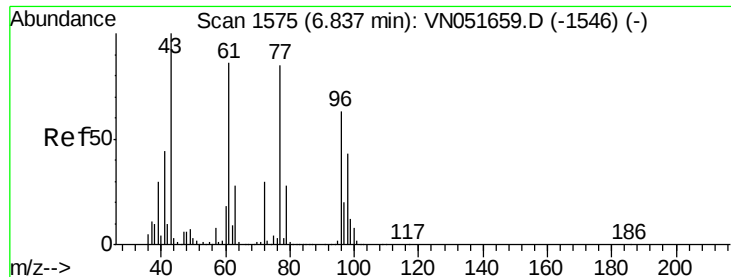
MMDadoda
 10/10/2018 10:09:31 AM



#24
 1,1-Dichloroethane
 Concen: 44.499 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 63 Resp: 577973
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.3 9.9
 100 4.4 2.2 6.6





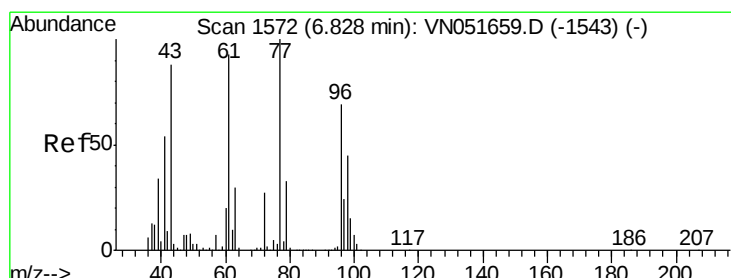
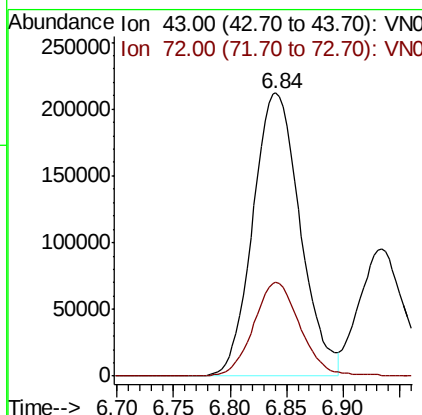
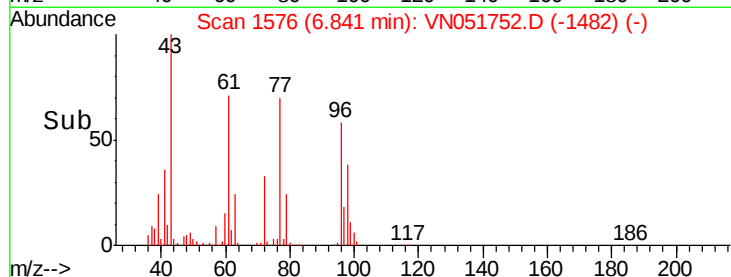
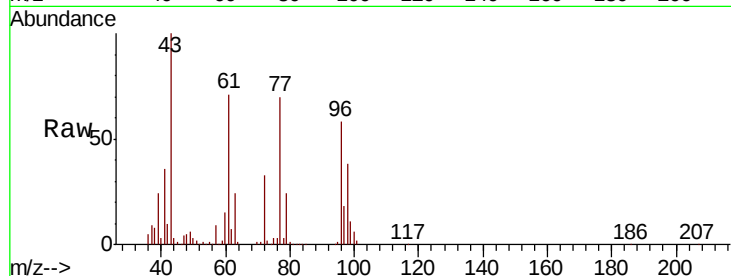
#25
 2-Butanone
 Concen: 241.904 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 612089
 Ion Ratio Lower Upper
 43 100
 72 33.4 24.2 36.2

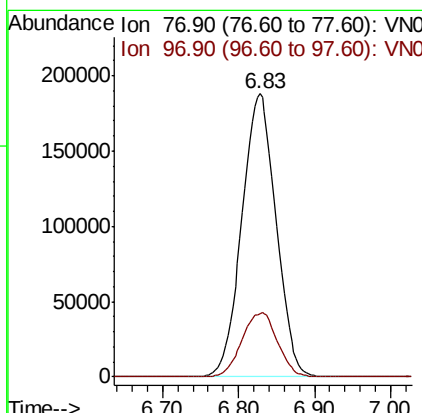
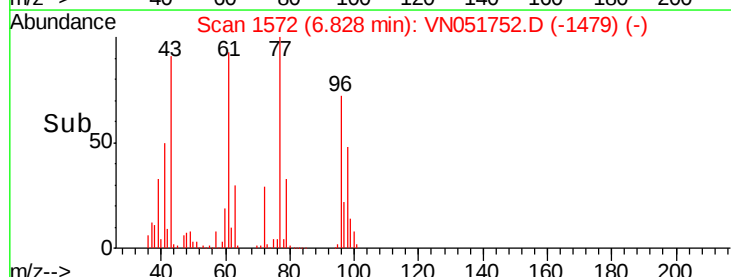
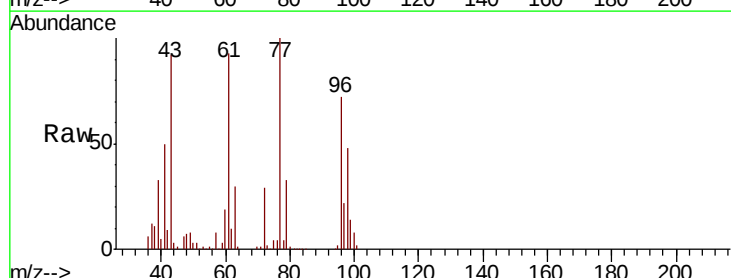
Manual Integrations
 APPROVED

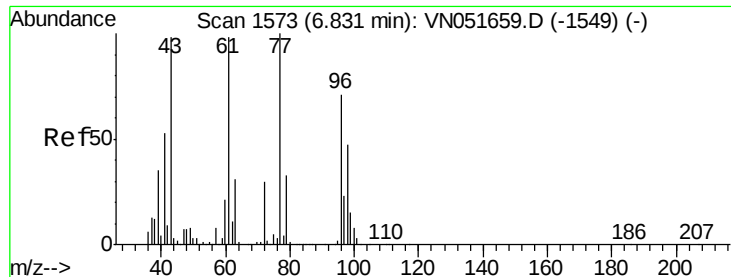
MMDadoda
 10/10/2018 10:09:31 AM



#26
 2,2-Dichloropropane
 Concen: 45.152 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 77 Resp: 587705
 Ion Ratio Lower Upper
 77 100
 97 23.7 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.082 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

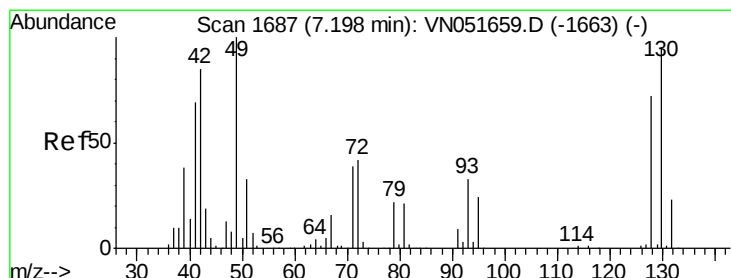
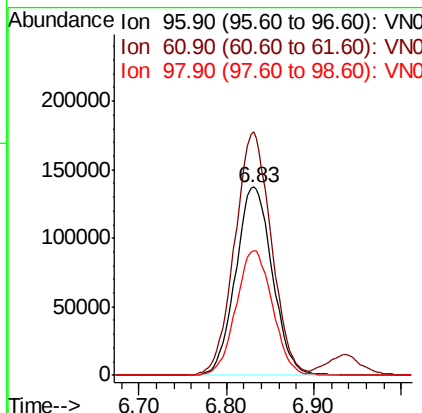
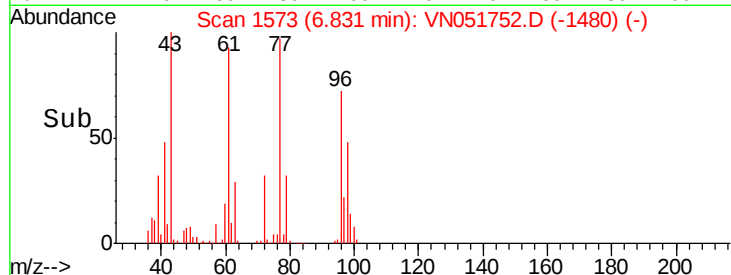
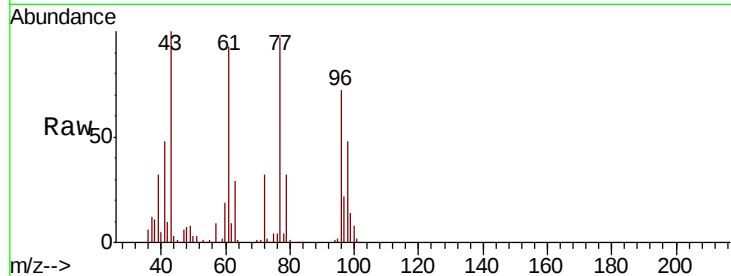
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	400080
Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	275.4
98	65.8	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM



#28

Bromochloromethane

Concen: 42.534 ug/l

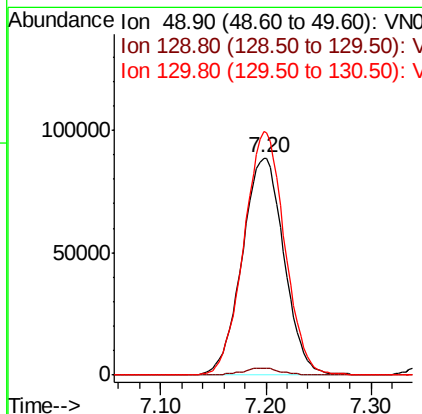
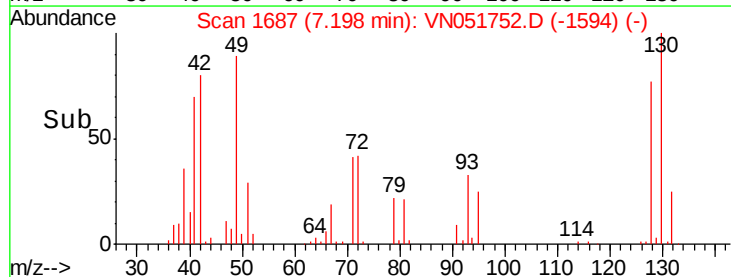
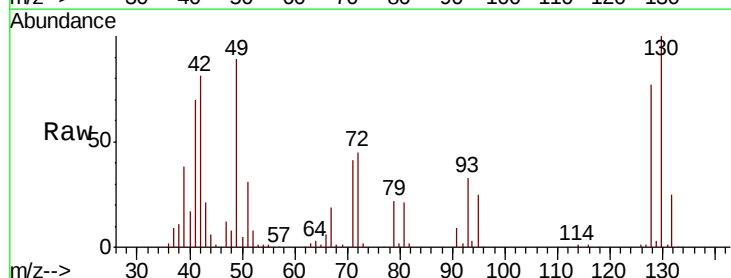
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Tgt Ion:	49	Resp:	244577
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.8
130	109.2	75.7	113.5





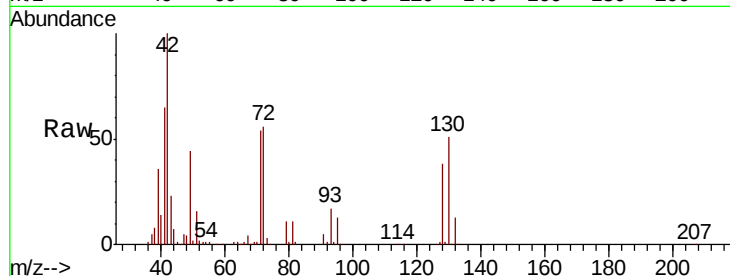
#29
Tetrahydrofuran
Concen: 244.768 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

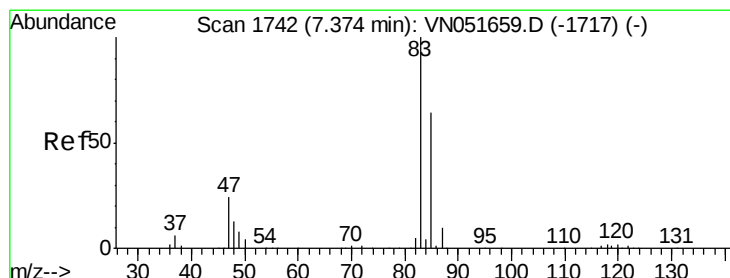
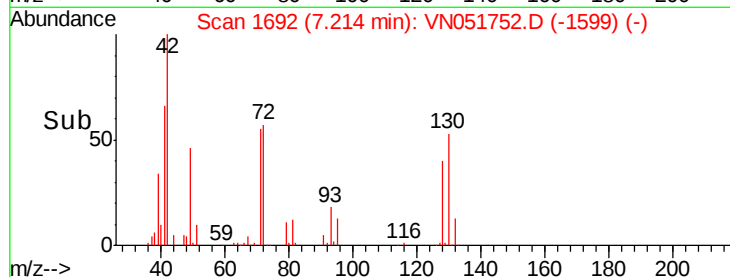
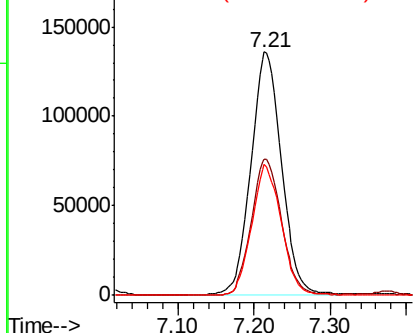
Tot Ion	Ratio	Lower	Upper
42	100		
72	55.8	40.1	60.1
71	52.0	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM

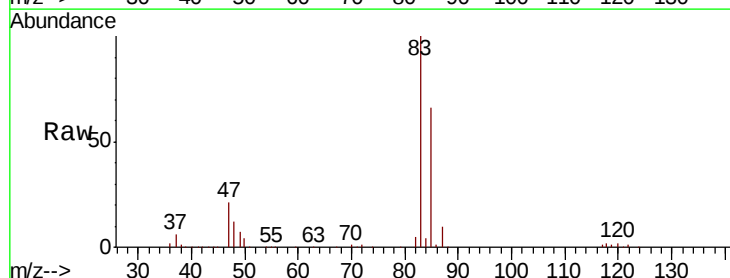


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

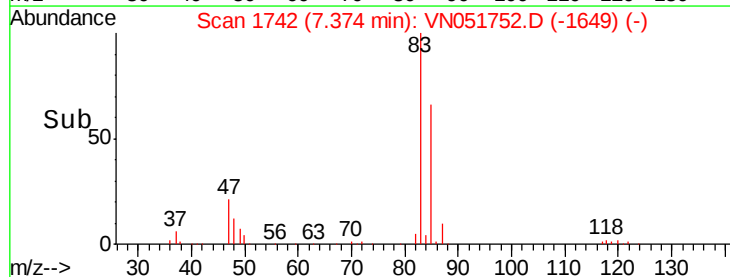
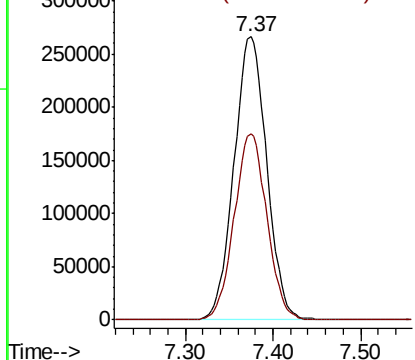


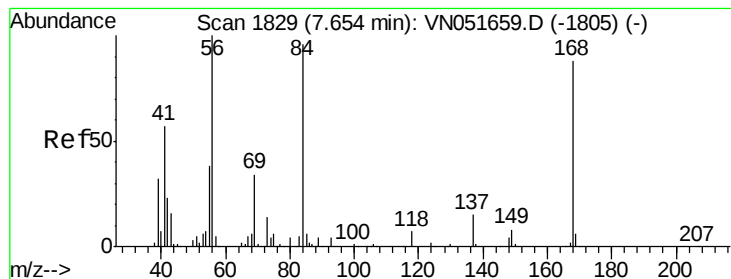
#30
Chloroform
Concen: 47.415 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 41.920 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 498647
Ion Ratio Lower Upper

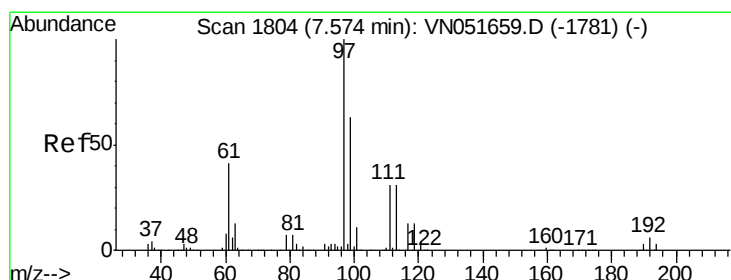
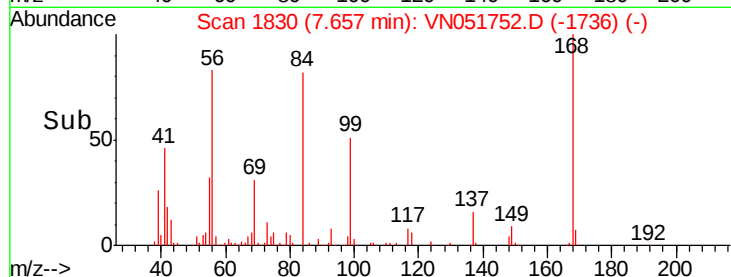
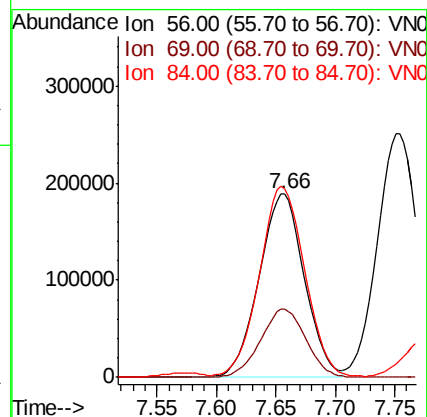
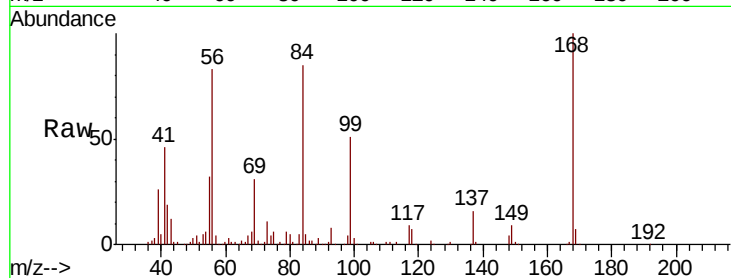
56 100

69 36.8 27.5 41.3

84 100.3 76.7 115.1

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM



#32

1,1,1-Trichloroethane

Concen: 46.782 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051752.D

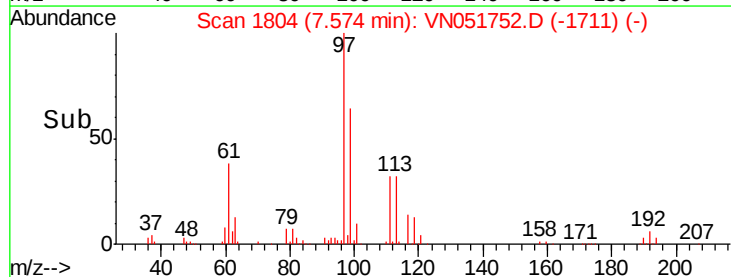
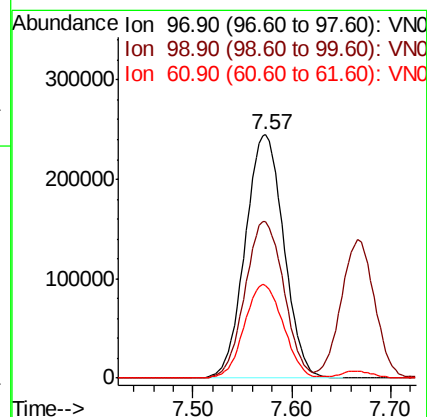
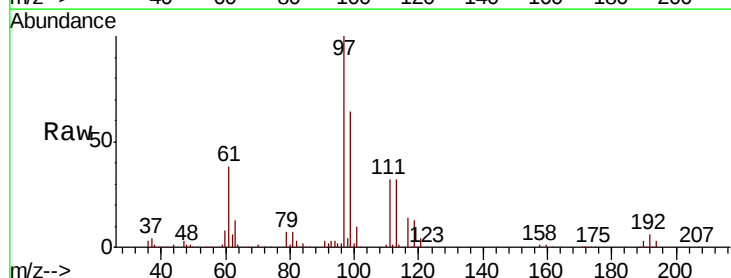
Acq: 9 Oct 2018 16:51

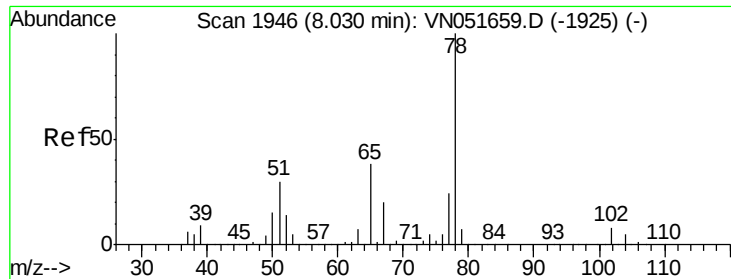
Tgt Ion: 97 Resp: 661731
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 38.9 33.4 50.0





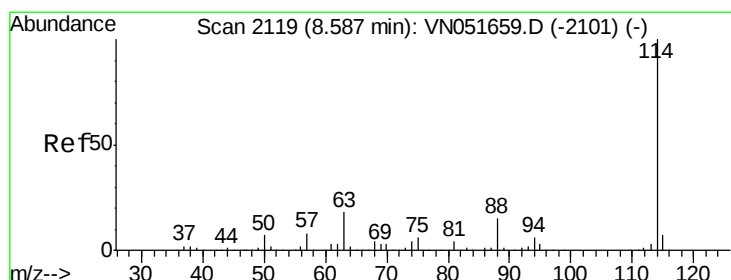
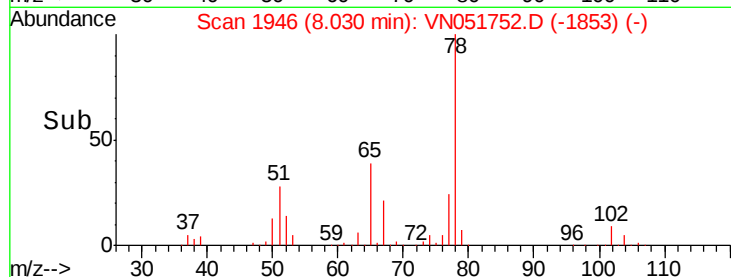
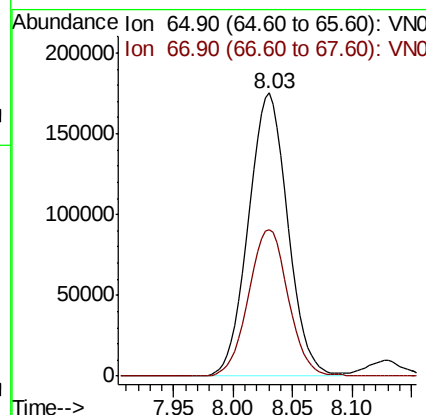
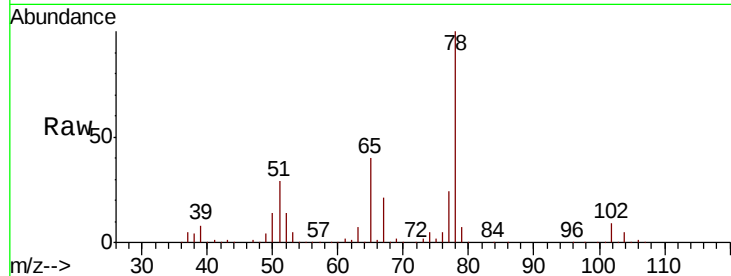
#33
 1,2-Dichloroethane-d4
 Concen: 46.782 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.6	

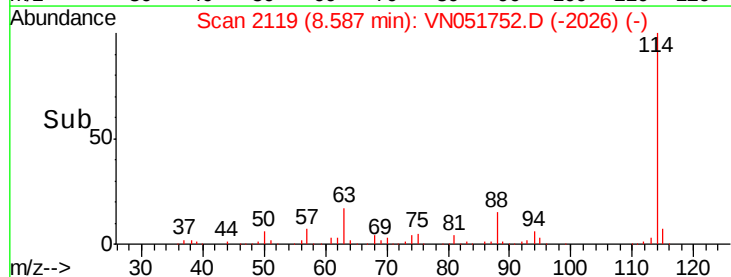
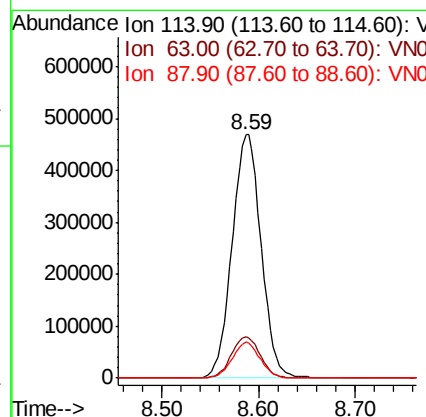
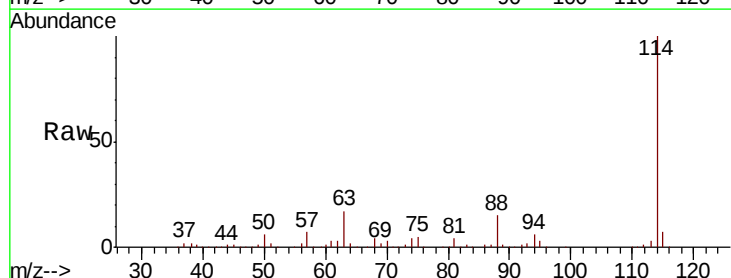
Manual Integrations
 APPROVED

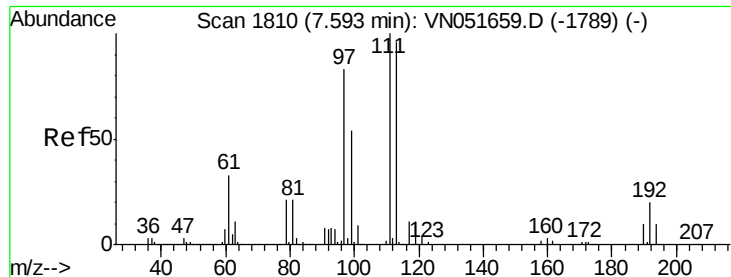
MMDadoda
 10/10/2018 10:09:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.0	0.0	36.2	
88	14.7	0.0	30.2	





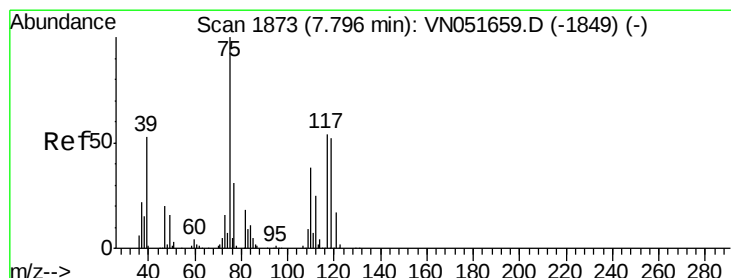
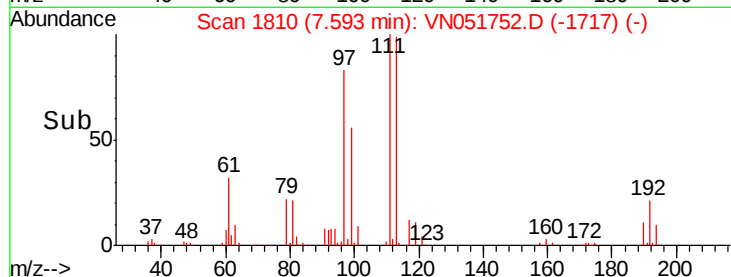
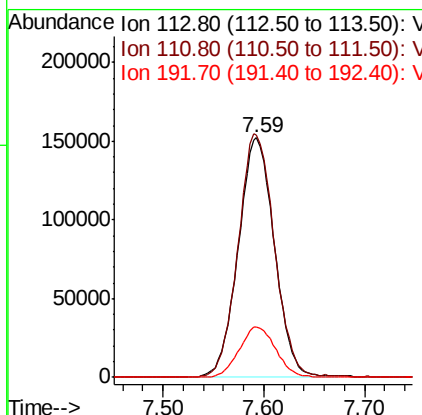
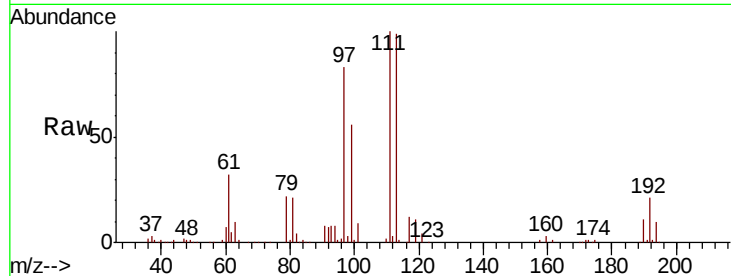
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	377949		
111	101.5	81.8	122.8	
192	21.3	16.5	24.7	

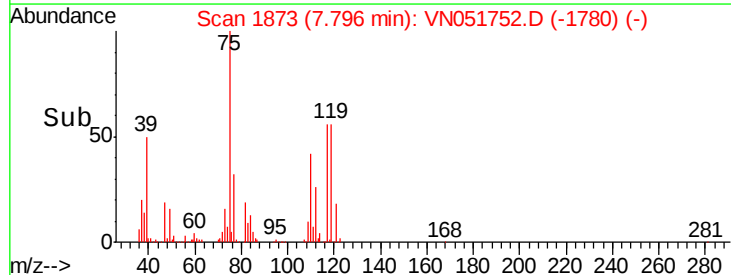
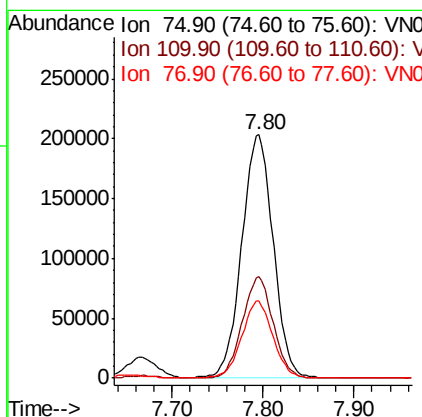
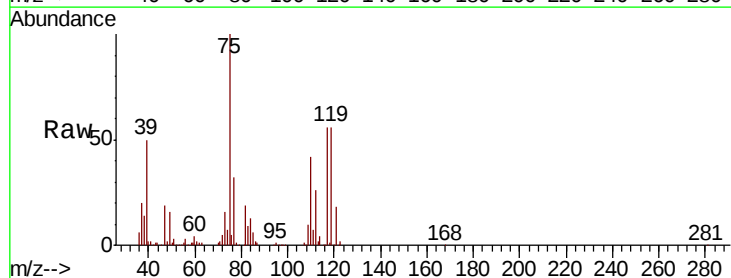
Manual Integrations
APPROVED

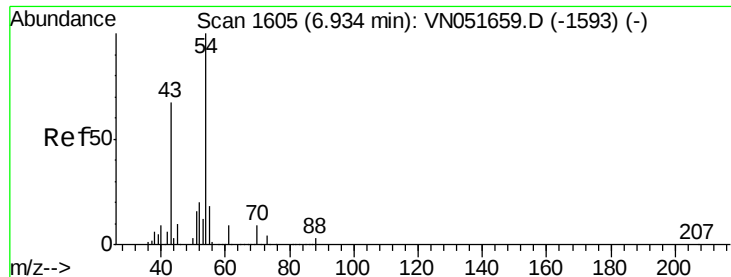
MMDadoda
10/10/2018 10:09:31 AM



#36
1,1-Dichloropropene
Concen: 47.738 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	487648		
110	40.8	19.3	57.8	
77	31.6	24.7	37.1	





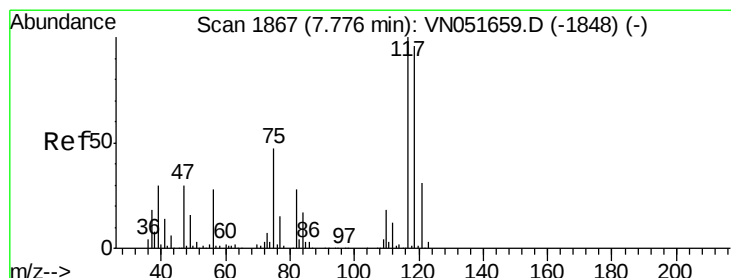
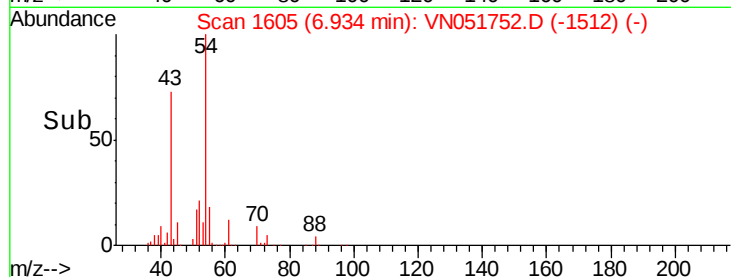
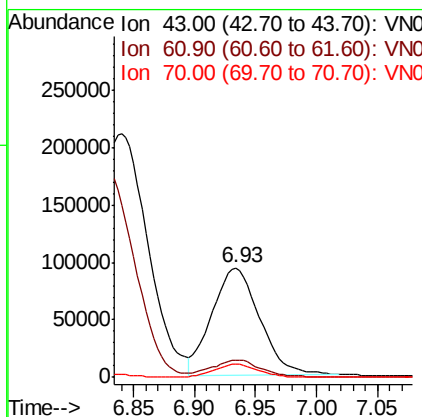
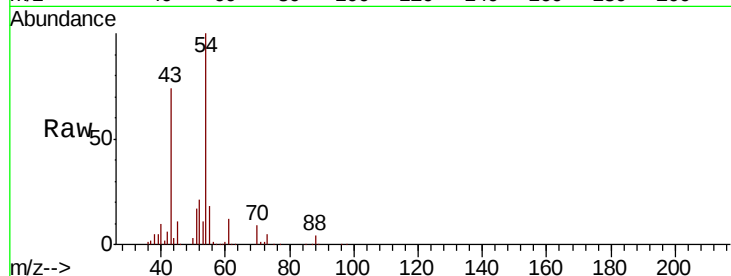
#37
Ethyl Acetate
Concen: 48.359 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	257644		
Ratio	100	15.7	12.0
Lower		11.8	8.7
Upper		17.6	13.1

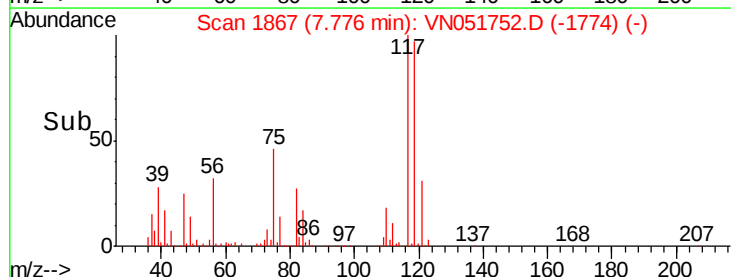
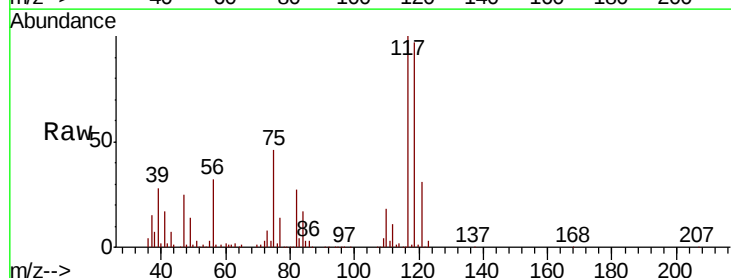
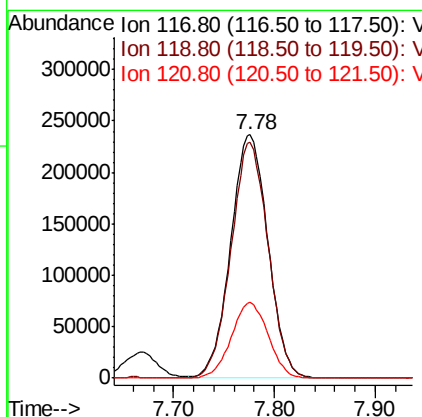
Manual Integrations
APPROVED

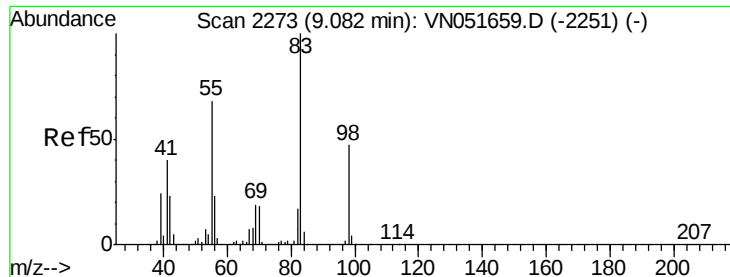
MMDadoda
10/10/2018 10:09:31 AM



#38
Carbon Tetrachloride
Concen: 49.453 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	117	119	121
Resp	606173		
Ratio	100	97.0	31.2
Lower		77.0	25.0
Upper		115.6	37.6





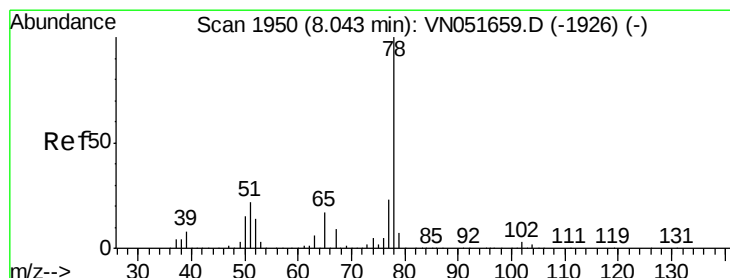
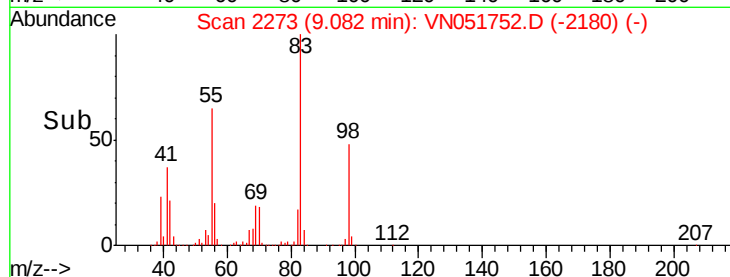
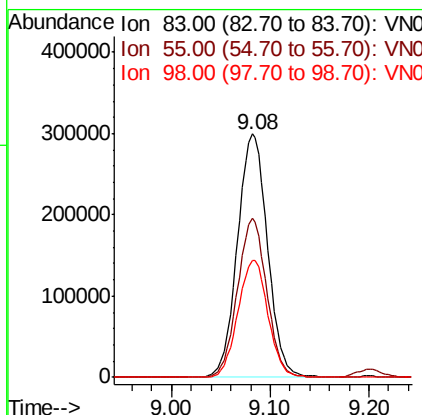
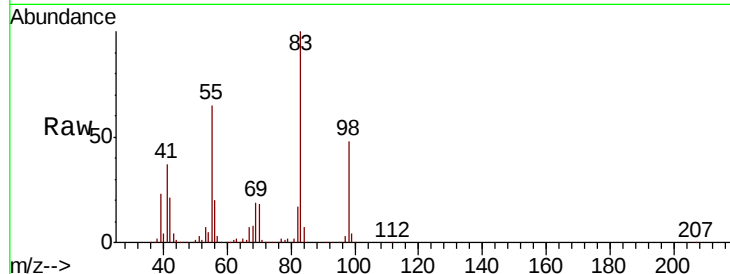
#39
Methvlcvclohexane
Concen: 49.315 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.2	54.3	81.5
98	47.9	37.4	56.2

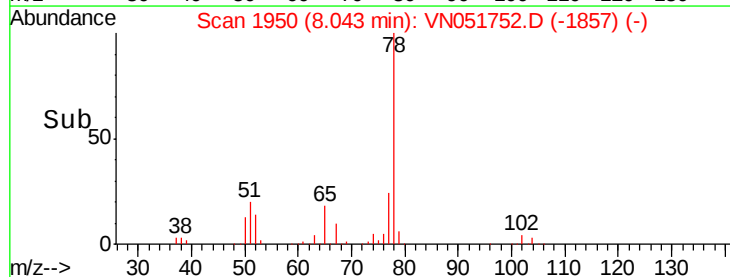
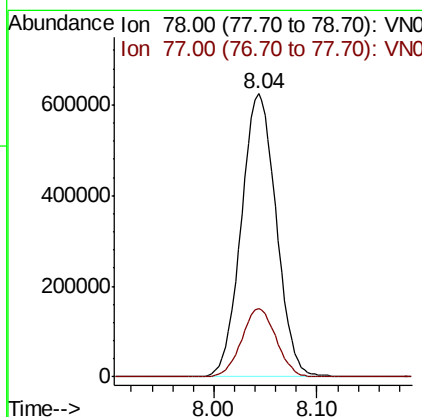
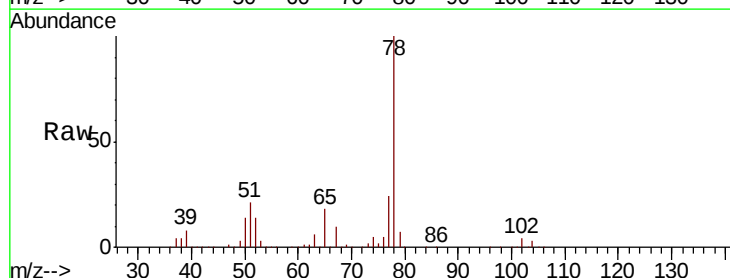
Manual Integrations
APPROVED

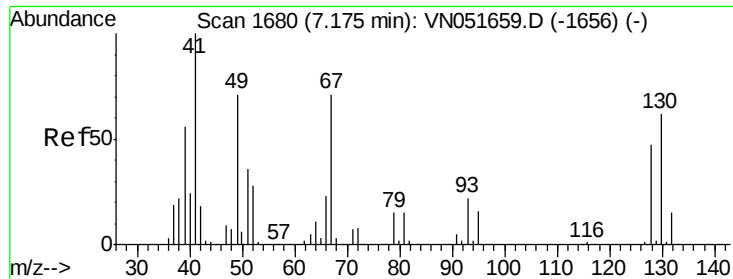
MMDadoda
10/10/2018 10:09:31 AM



#40
Benzene
Concen: 48.566 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7





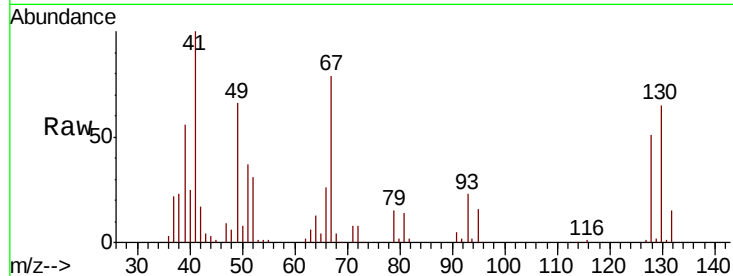
#41
Methacrylonitrile
Concen: 48.219 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

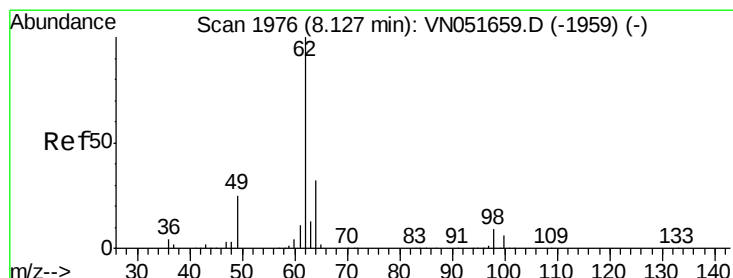
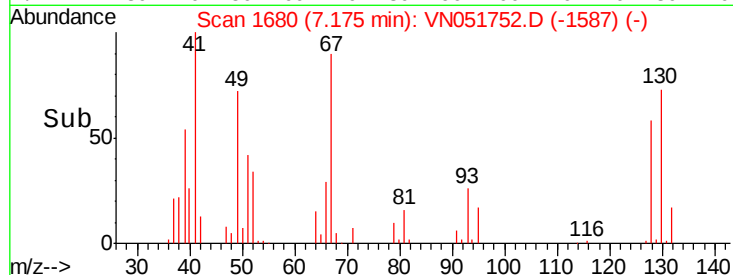
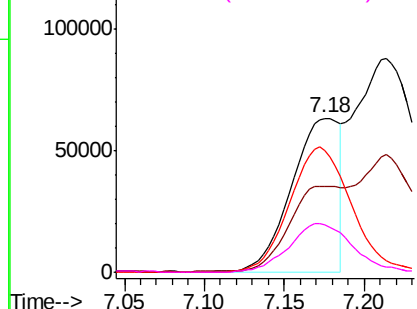
Tot Ion:	41	Resp:	132394
Ion	Ratio	Lower	Upper
41	100		
39	63.1	53.9	80.9
67	105.5	78.1	117.1
52	42.7	32.3	48.5

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM

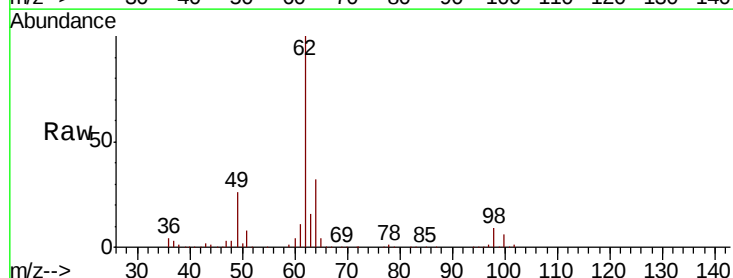


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

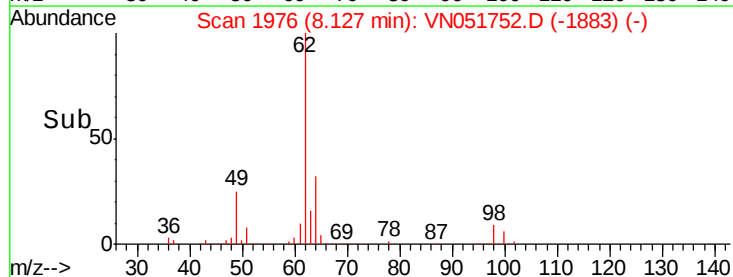
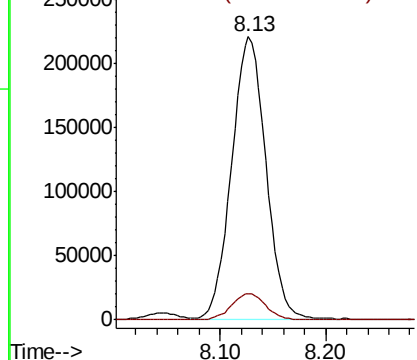


#42
1,2-Dichloroethane
Concen: 48.499 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:	62	Resp:	494958
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





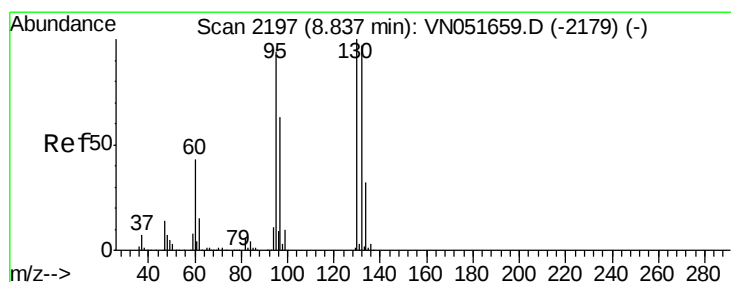
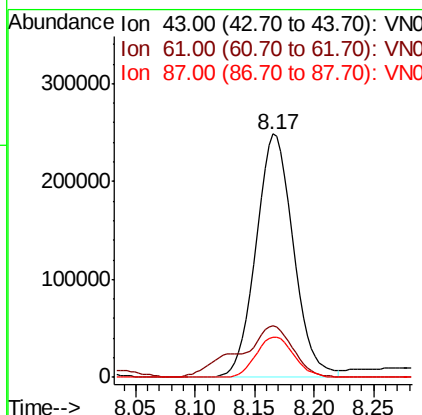
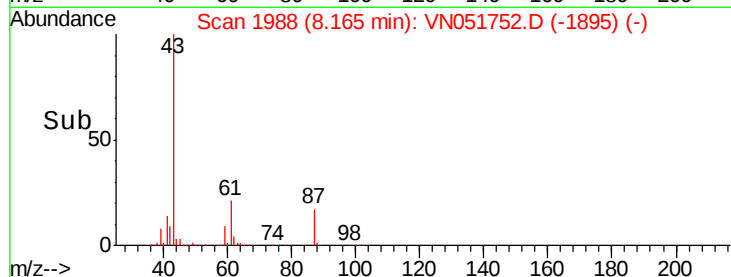
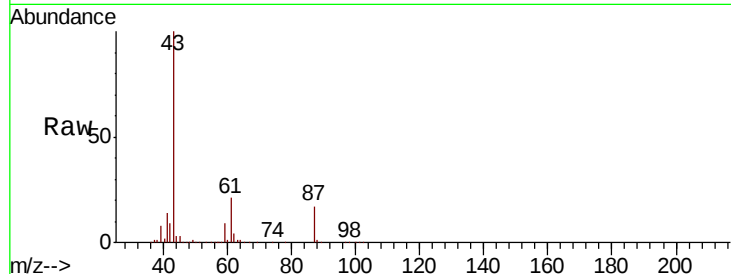
#43
Isopropyl Acetate
Concen: 48.549 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.8	23.6#
87	16.9	12.6	19.0

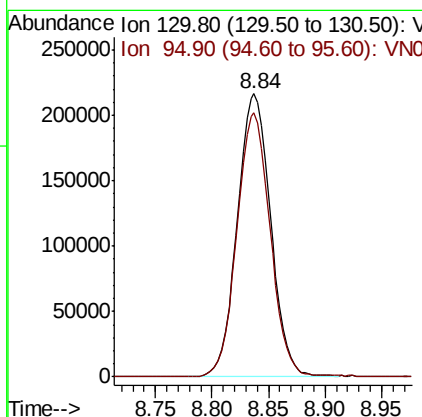
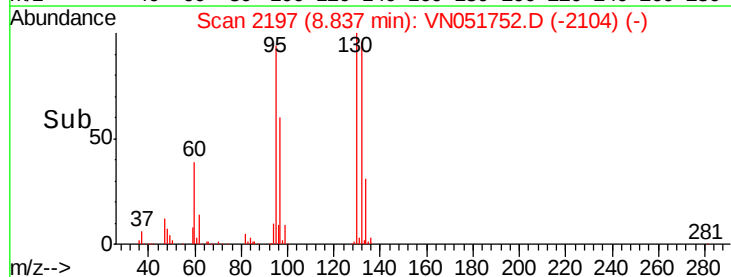
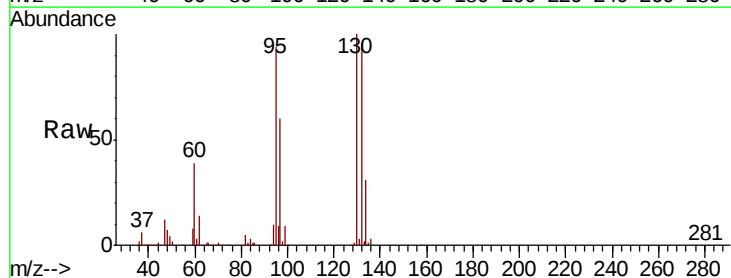
Manual Integrations
APPROVED

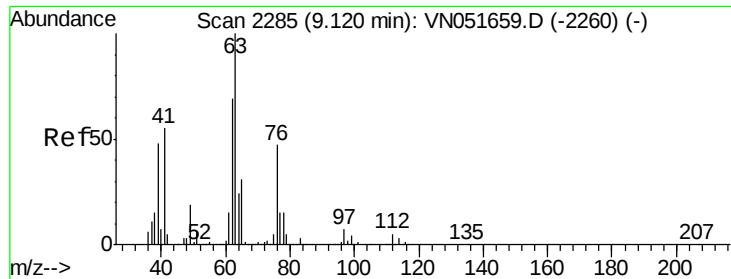
MMDadoda
10/10/2018 10:09:31 AM



#44
Trichloroethene
Concen: 51.822 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	188.0





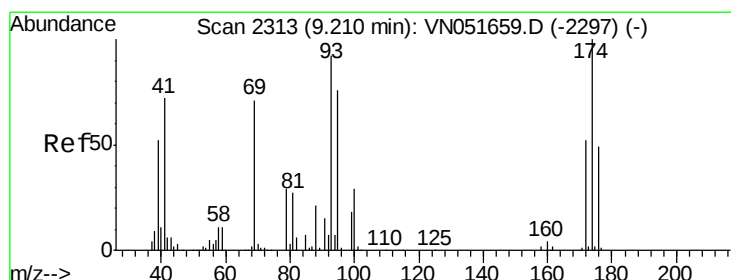
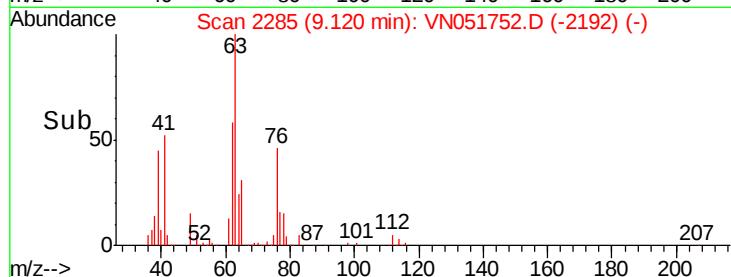
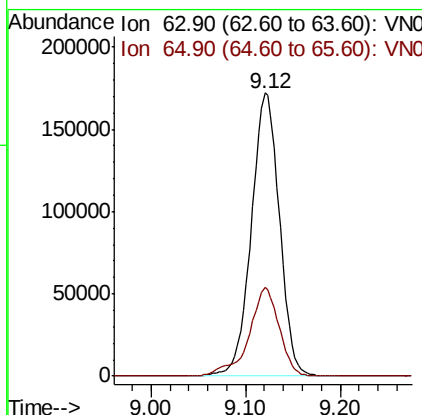
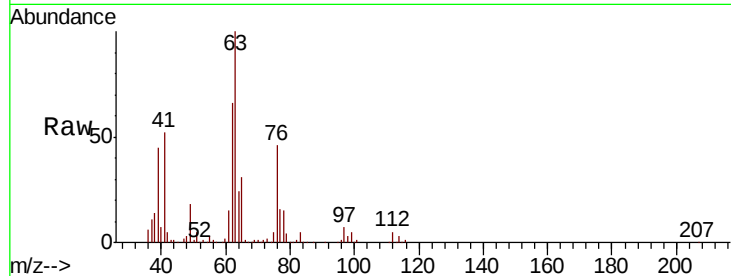
#45
 1,2-Dichloropropane
 Concen: 47.504 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 355664
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

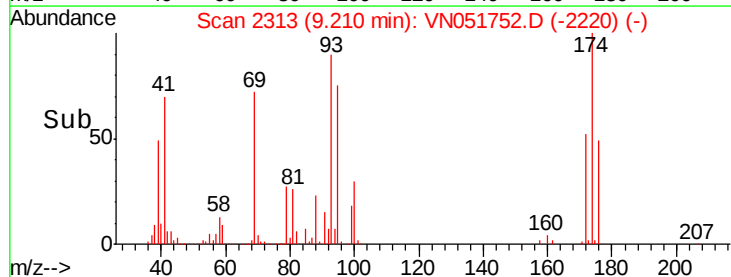
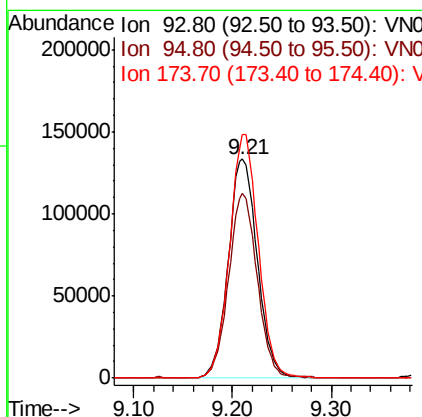
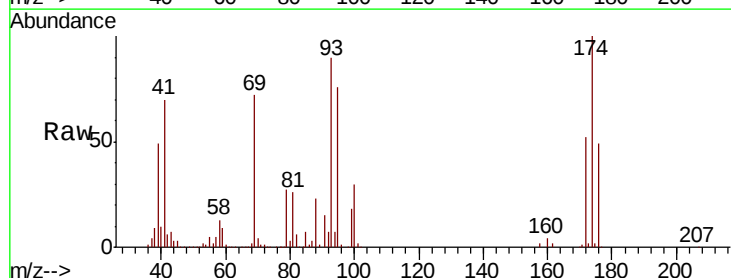
Manual Integrations
 APPROVED

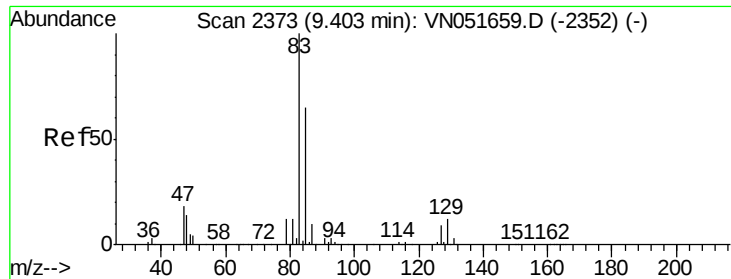
MMDadoda
 10/10/2018 10:09:31 AM



#46
 Dibromomethane
 Concen: 52.898 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 93 Resp: 275287
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 109.2 85.9 128.9





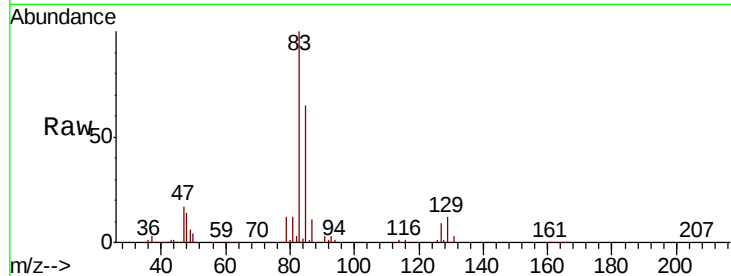
#47
Bromodichloromethane
Concen: 48.899 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

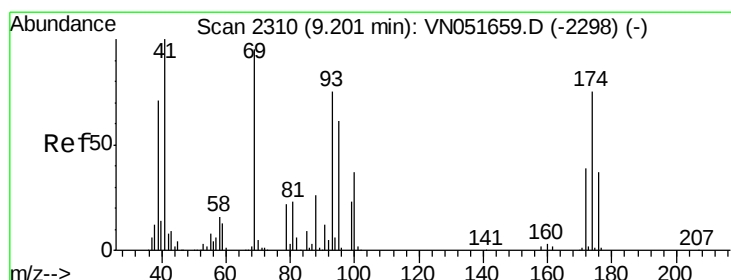
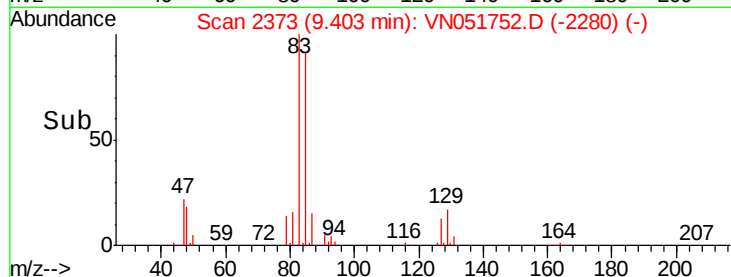
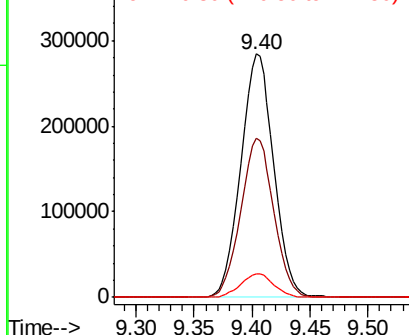
Tot Ion	Ratio	Resp	Lower	Upper
83	100	560196		
85	65.4		51.6	77.4
127	9.4		7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM

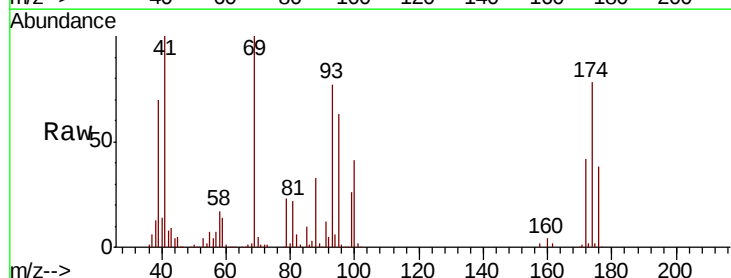


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

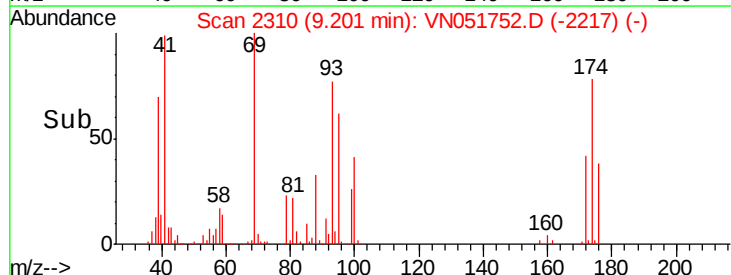
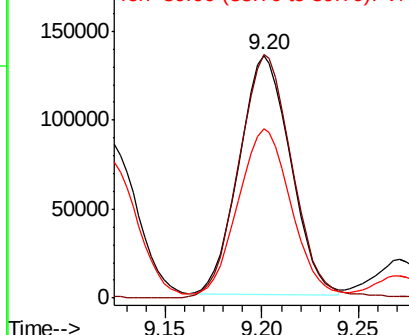


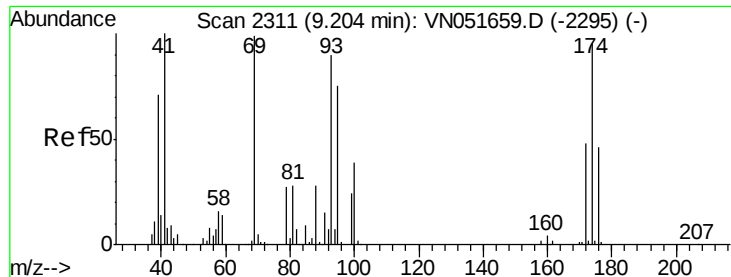
#48
Methyl methacrylate
Concen: 48.843 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	247911		
69	106.0		78.6	118.0
39	70.5		59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





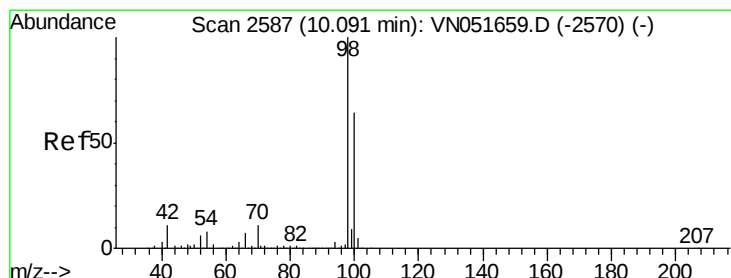
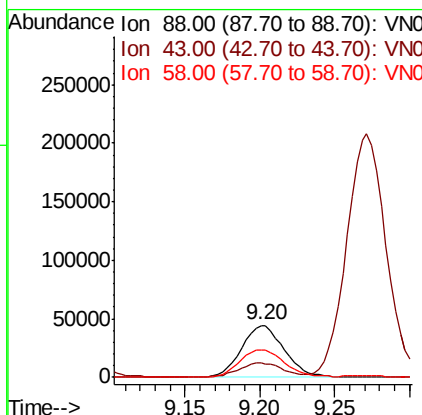
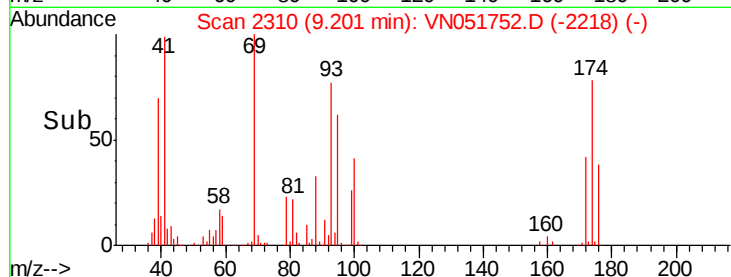
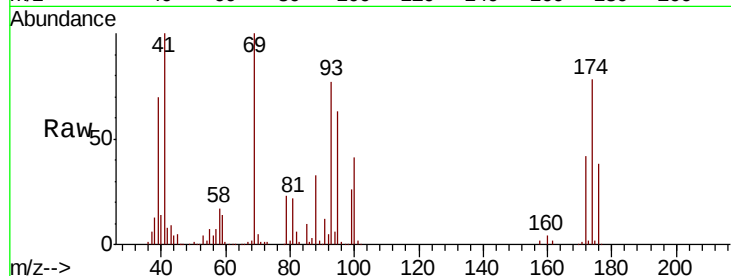
#49
1,4-Dioxane
Concen: 1156.391 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	24.5	36.7
58	56.0	47.6	71.4

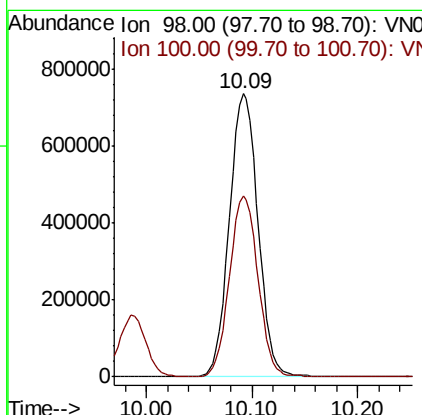
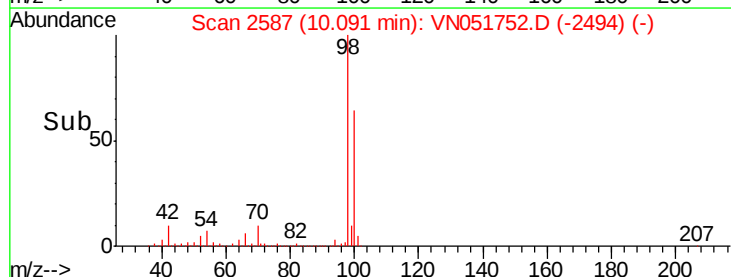
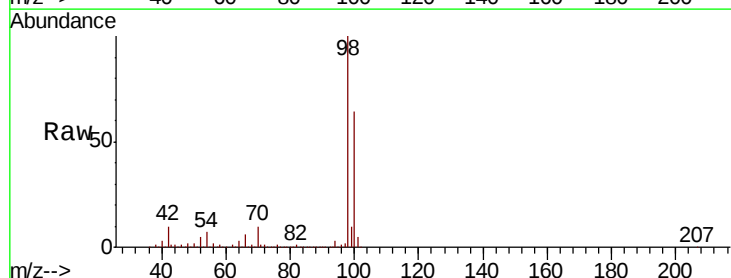
Manual Integrations
APPROVED

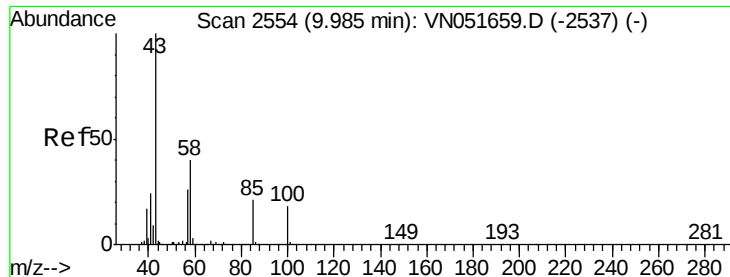
MMDadoda
10/10/2018 10:09:31 AM



#50
Toluene-d8
Concen: 1156.391 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 255.132 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1436053

Ion Ratio Lower Upper

43 100

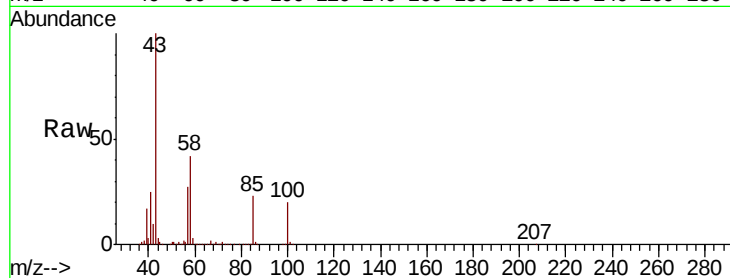
58 41.5 32.2 48.2

Manual Integrations

APPROVED

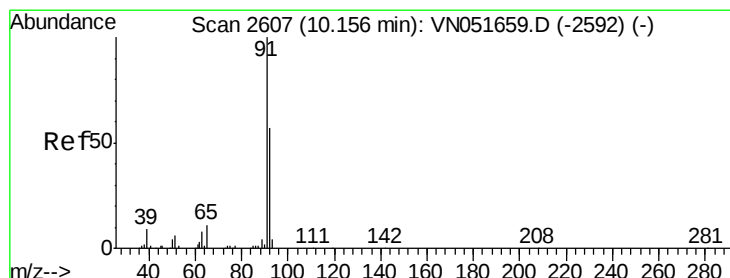
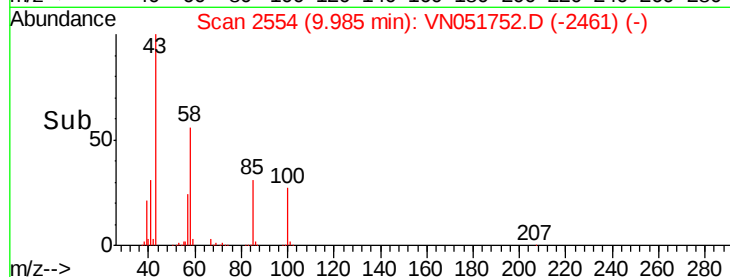
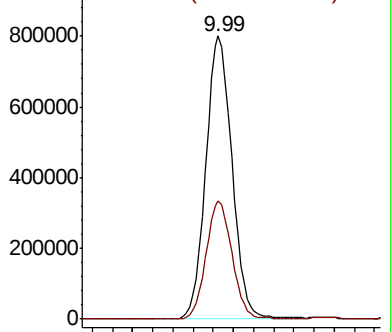
MMDadoda

10/10/2018 10:09:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.152 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051752.D

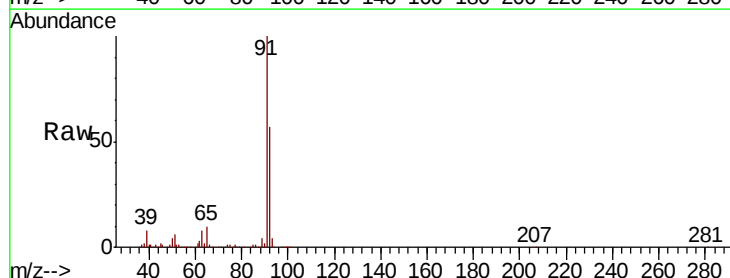
Acq: 9 Oct 2018 16:51

Tgt Ion: 92 Resp: 1010110

Ion Ratio Lower Upper

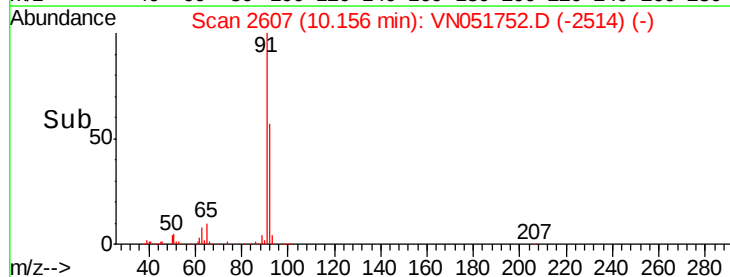
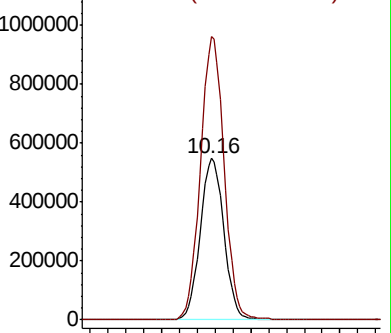
92 100

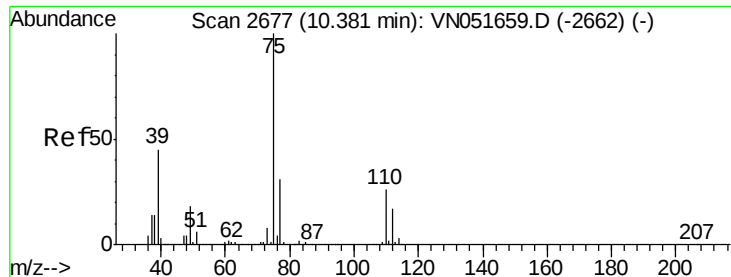
91 175.2 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





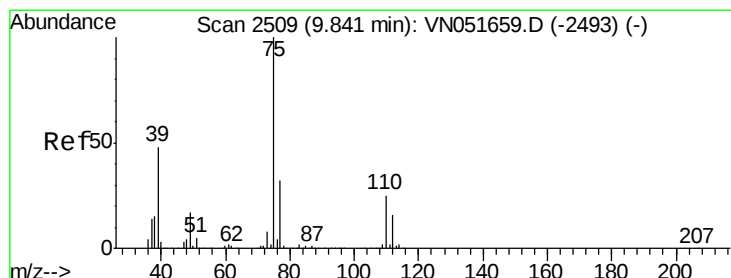
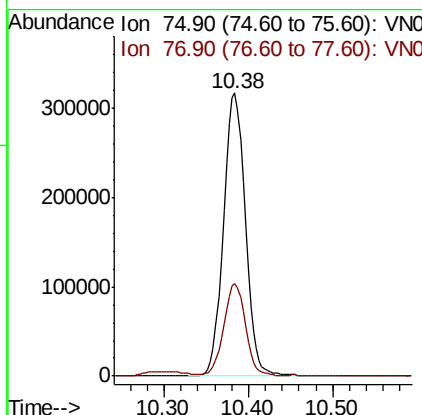
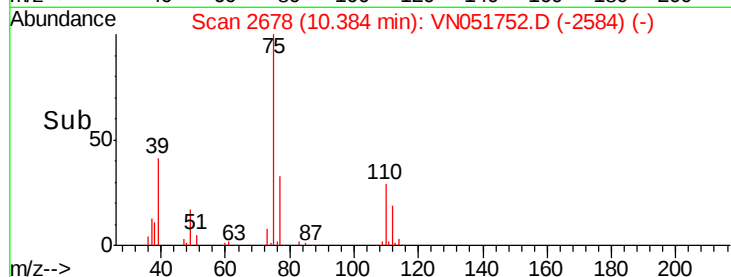
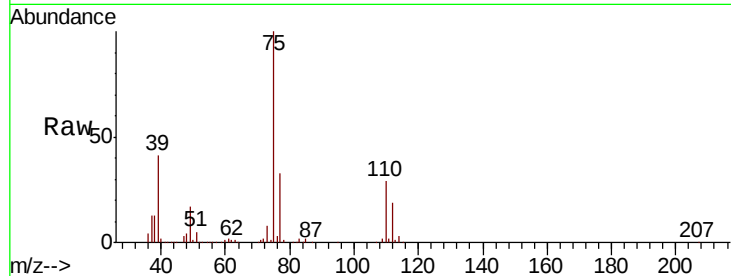
#53
 t-1,3-Dichloropropene
 Concen: 48.480 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 573085
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.5 38.3

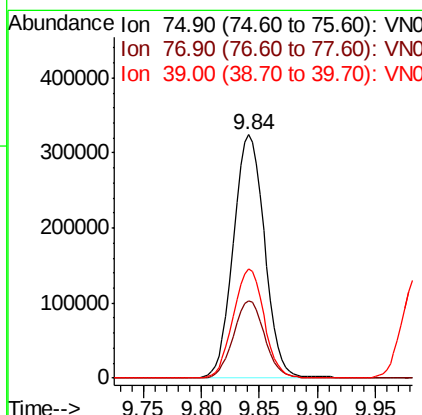
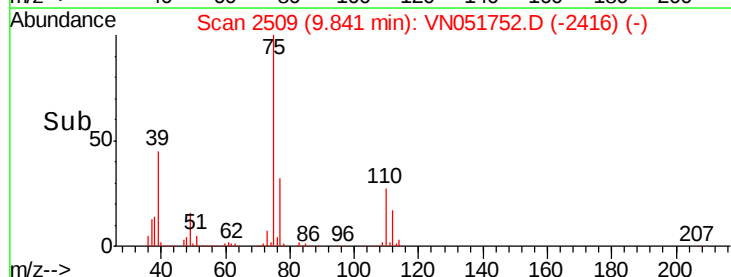
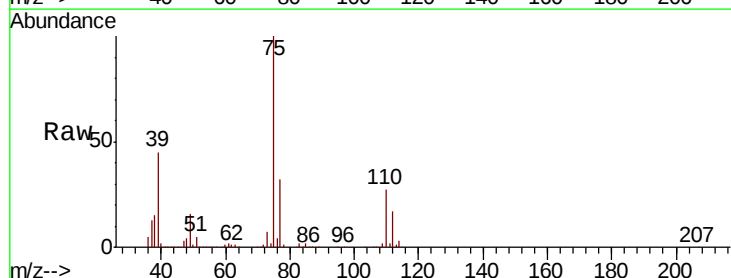
Manual Integrations
 APPROVED

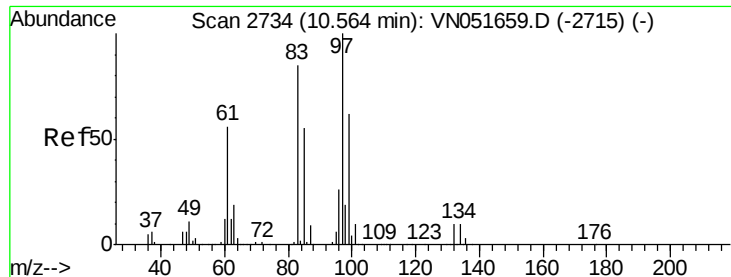
MMDadoda
 10/10/2018 10:09:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.234 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 75 Resp: 605474
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5
 39 44.9 38.1 57.1





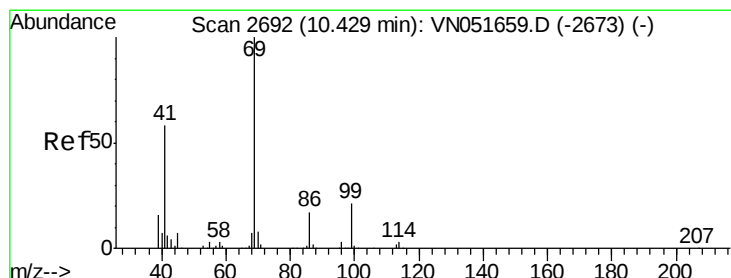
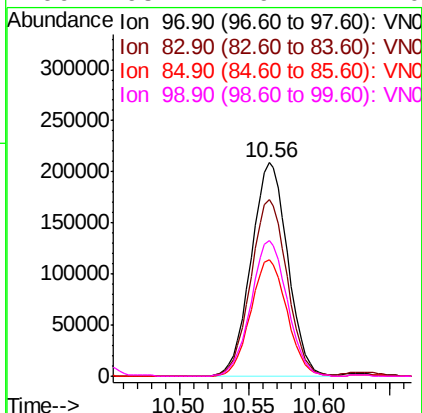
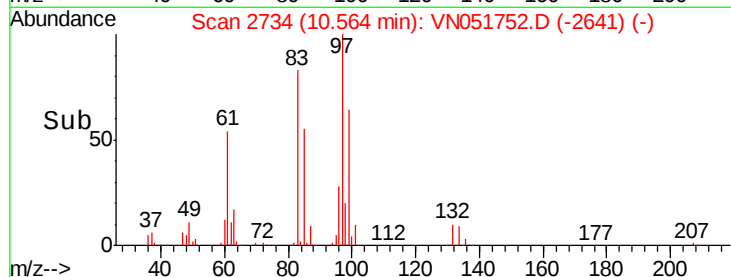
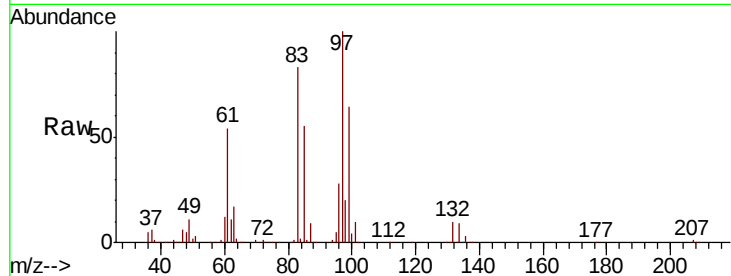
#55
 1,1,2-Trichloroethane
 Concen: 52.921 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	379705
Ion	Ratio	Lower	Upper
97	100		
83	82.9	68.1	102.1
85	54.8	43.6	65.4
99	63.7	49.4	74.0

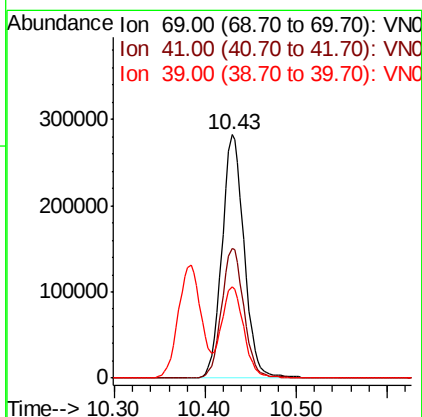
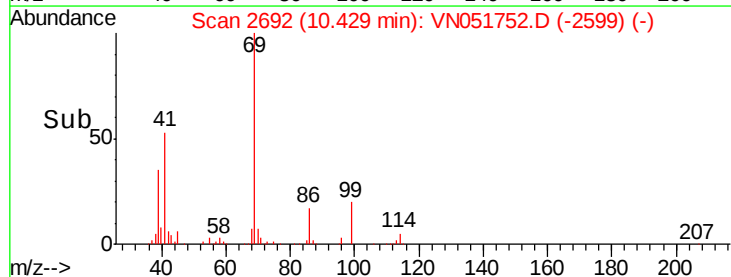
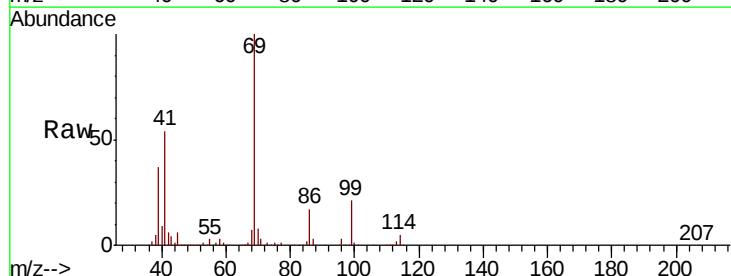
Manual Integrations
 APPROVED

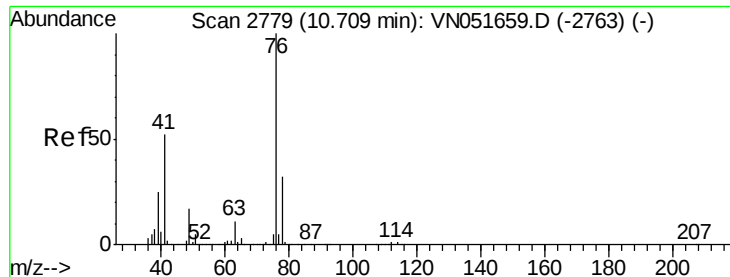
MMDadoda
 10/10/2018 10:09:31 AM



#56
 Ethyl methacrylate
 Concen: 52.639 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion:	69	Resp:	477617
Ion	Ratio	Lower	Upper
69	100		
41	53.1	46.4	69.6
39	37.8	32.4	48.6





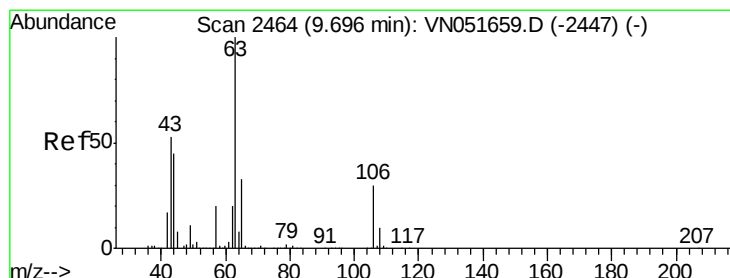
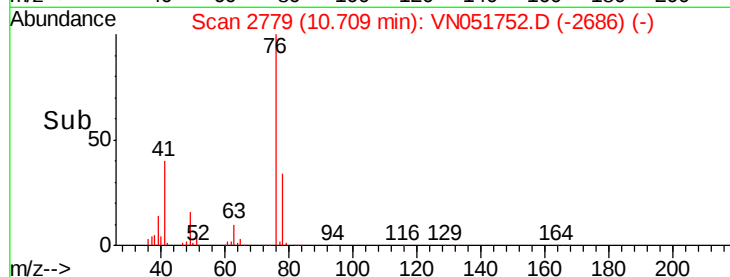
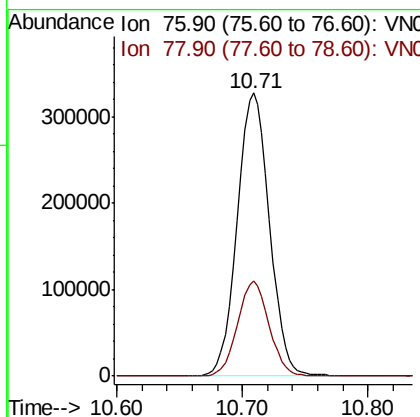
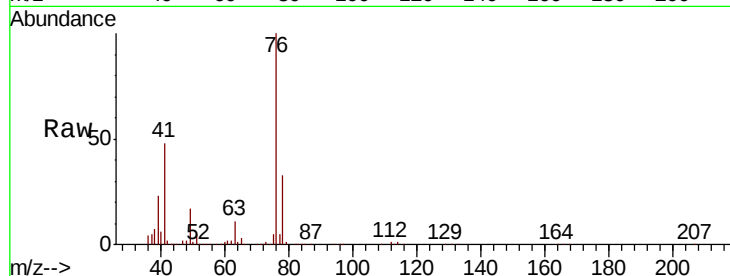
#57
 1,3-Dichloropropane
 Concen: 51.443 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

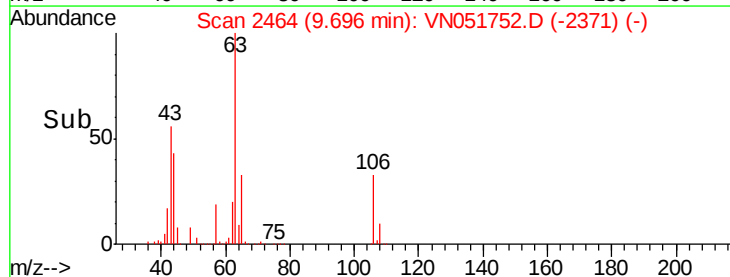
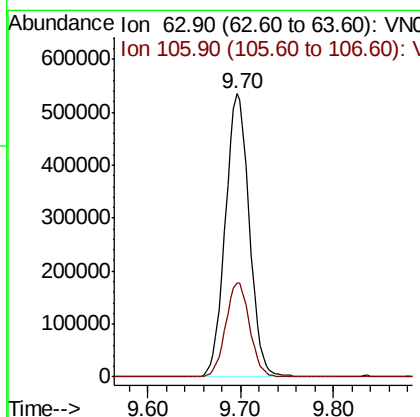
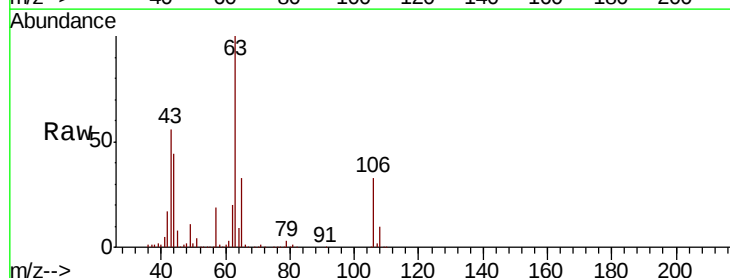
Manual Integrations
 APPROVED

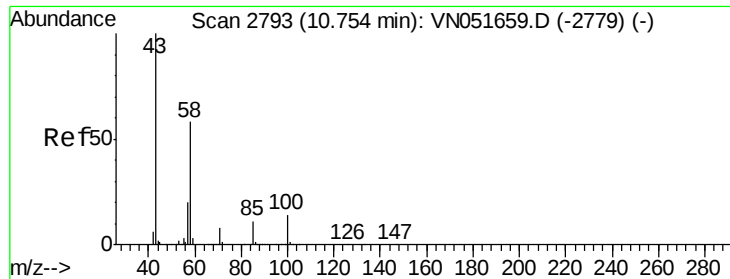
MMDadoda
 10/10/2018 10:09:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.450 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.2	24.3	36.5





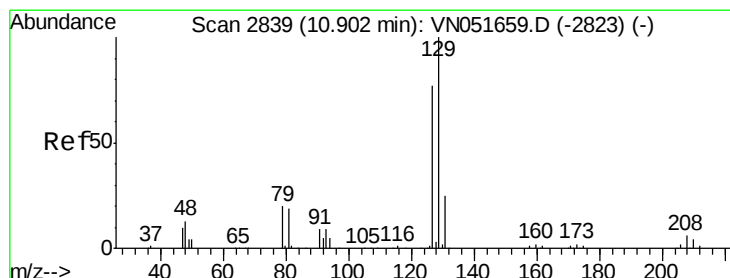
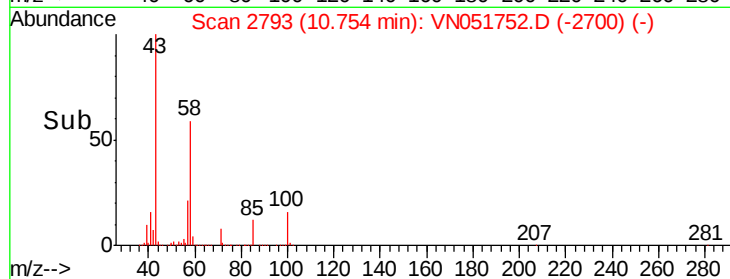
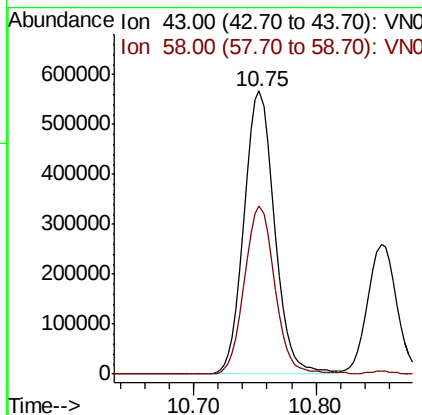
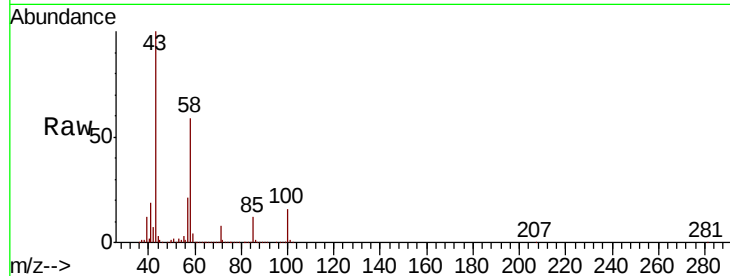
#59
2-Hexanone
Concen: 255.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	976620
Ion Ratio	43	100	
Lower	58	59.4	28.8
Upper			86.4

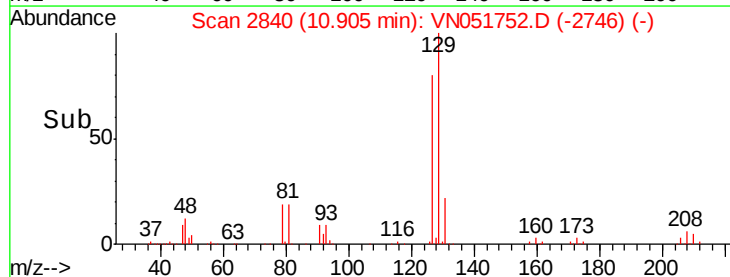
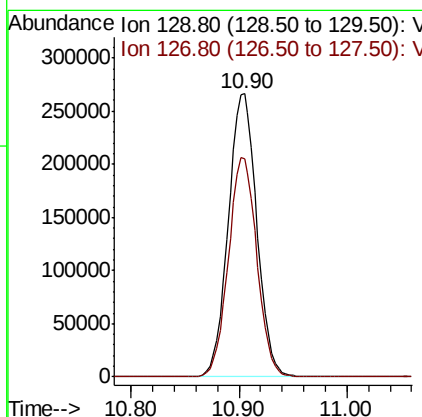
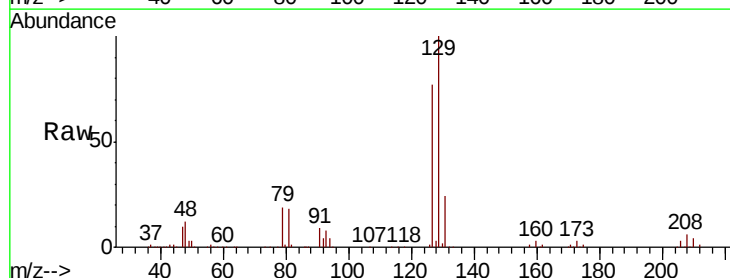
Manual Integrations
APPROVED

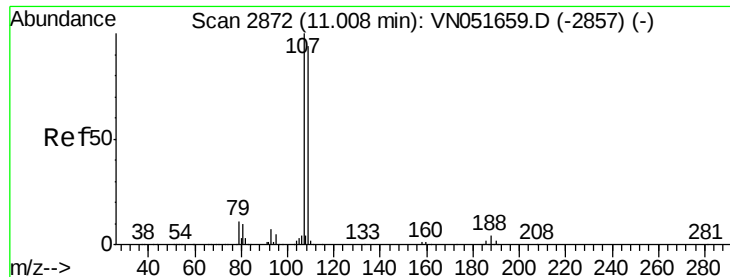
MMDadoda
10/10/2018 10:09:31 AM



#60
Dibromochloromethane
Concen: 51.939 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	129	Resp	487680
Ion Ratio	129	100	
Lower	127	77.1	38.6
Upper			115.7





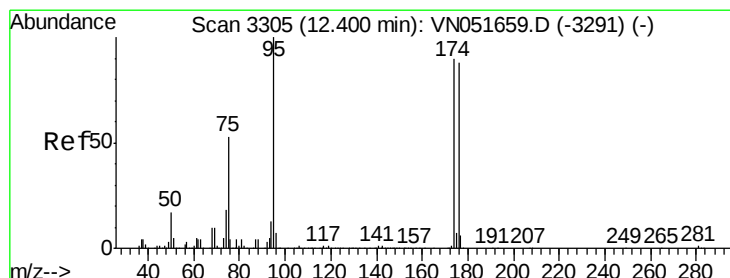
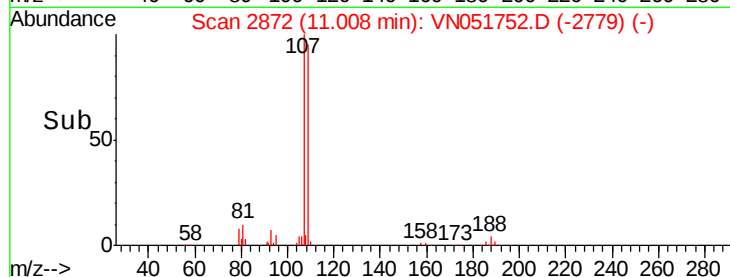
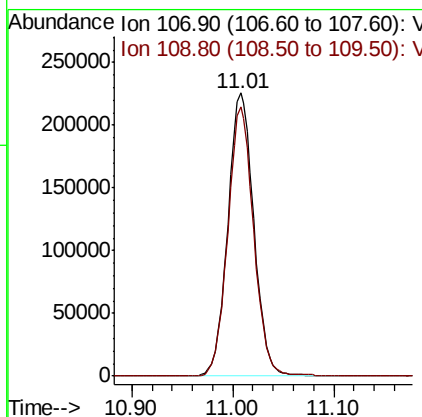
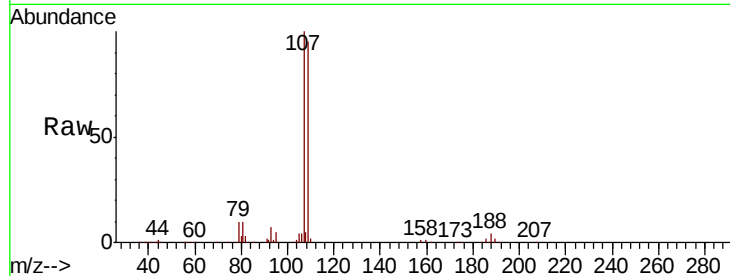
#61
 1,2-Dibromoethane
 Concen: 53.413 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.0

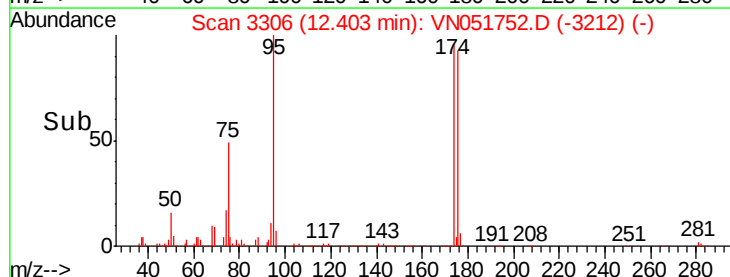
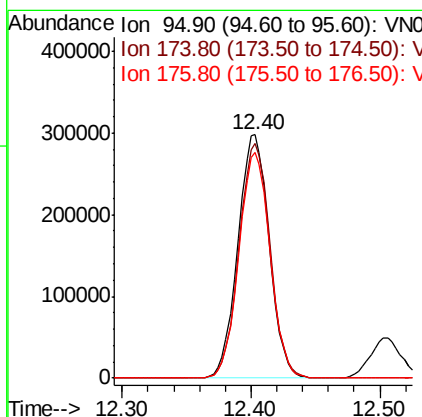
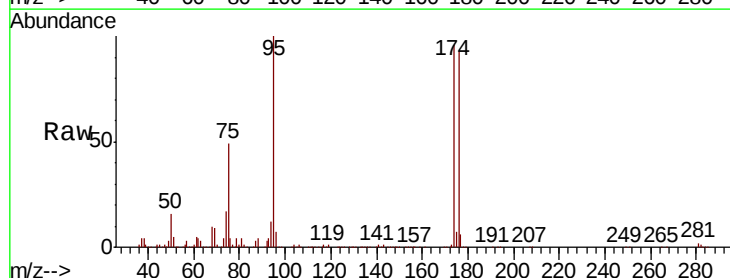
Manual Integrations
 APPROVED

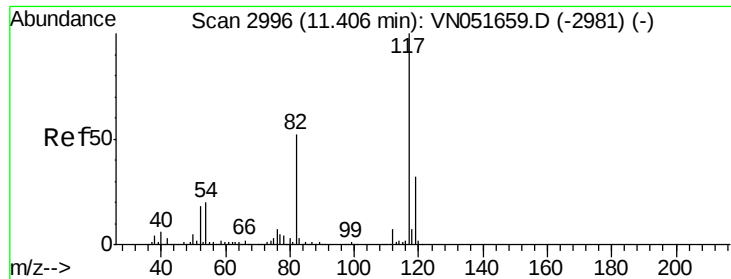
MMDadoda
 10/10/2018 10:09:31 AM



#62
 4-Bromofluorobenzene
 Concen: 53.413 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	182.8
176	92.3	0.0	176.4





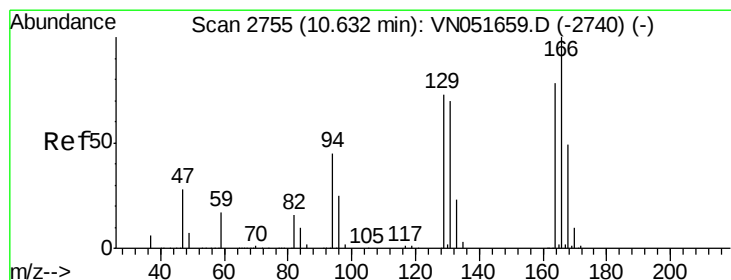
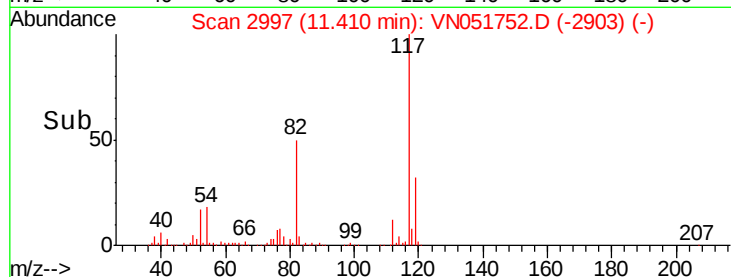
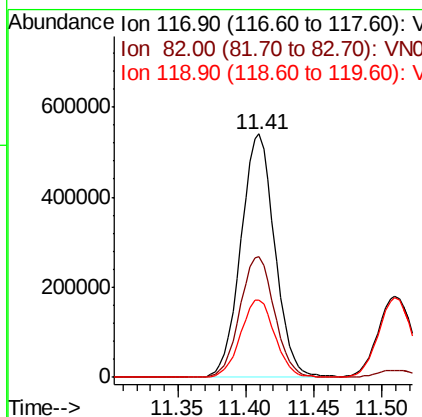
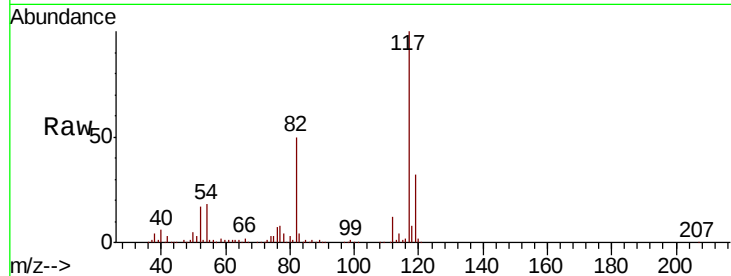
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	933132		
82	49.7		41.3	61.9
119	32.0		25.9	38.9

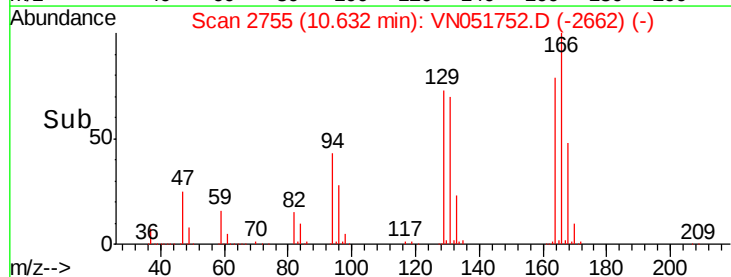
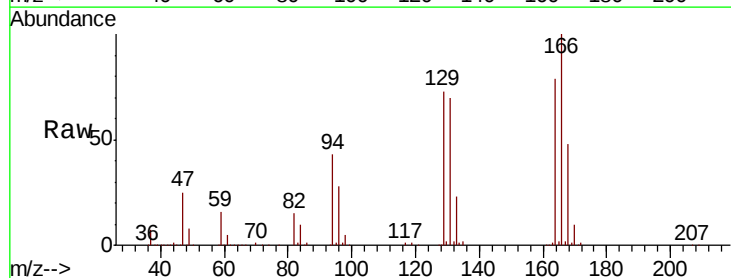
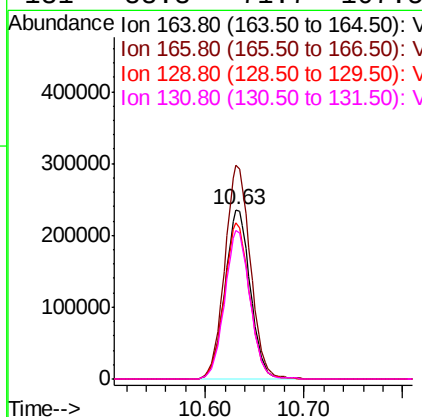
Manual Integrations
APPROVED

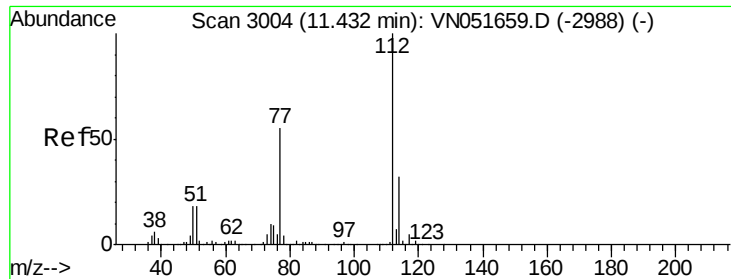
MMDadoda
10/10/2018 10:09:31 AM



#64
Tetrachloroethene
Concen: 51.613 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	424909		
166	126.4		103.0	154.6
129	92.5		75.2	112.8
131	88.3		71.7	107.5





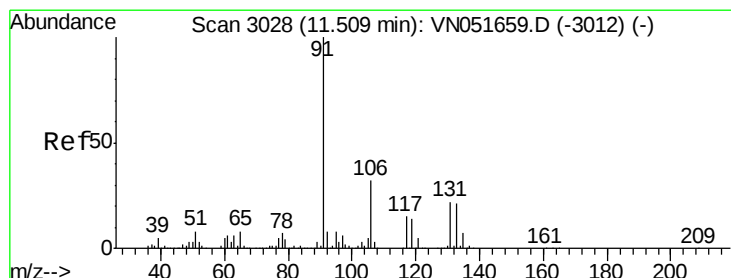
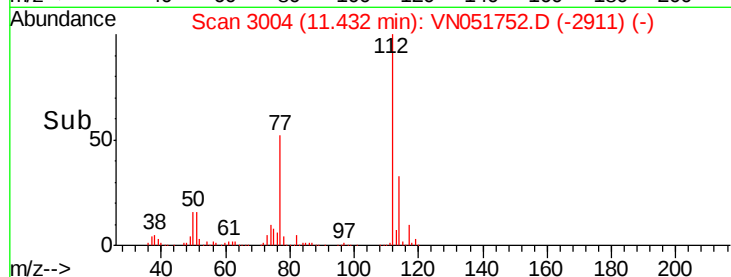
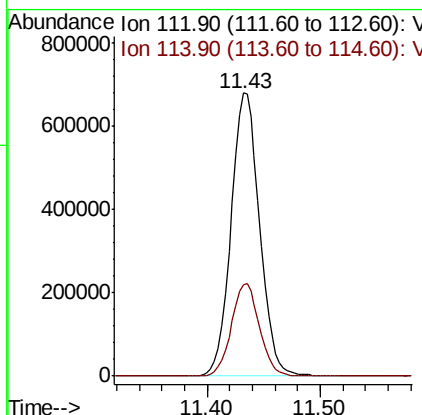
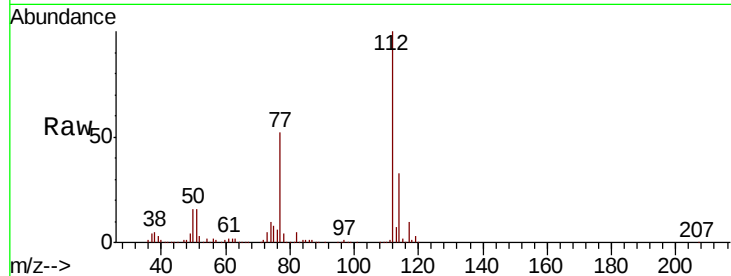
#65
Chlorobenzene
Concen: 51.407 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1188052
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

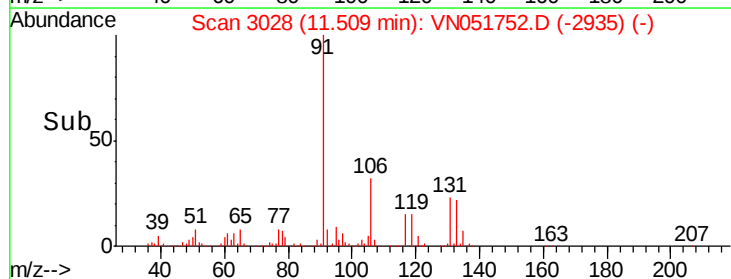
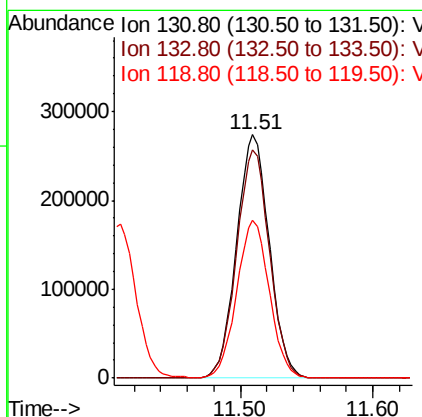
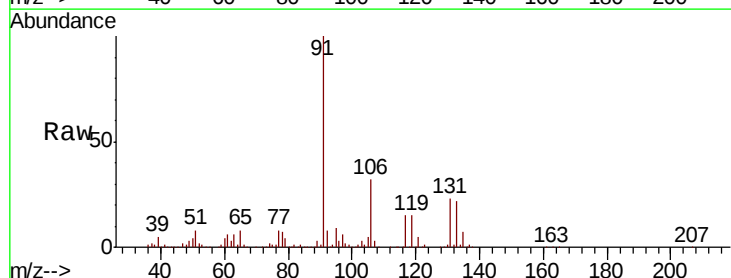
Manual Integrations
APPROVED

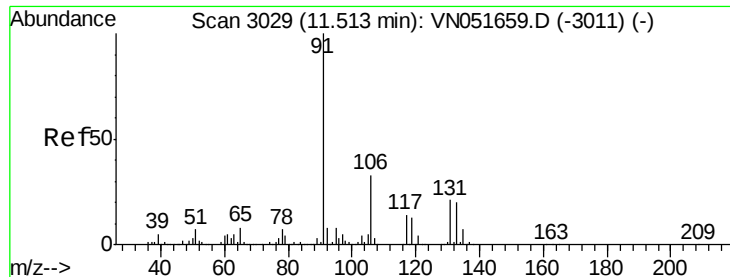
MMDadoda
10/10/2018 10:09:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.720 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:131 Resp: 469338
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.8
119 64.6 32.0 96.0





#67

Ethyl Benzene

Concen: 49.994 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1997014

Ion Ratio Lower Upper

91 100

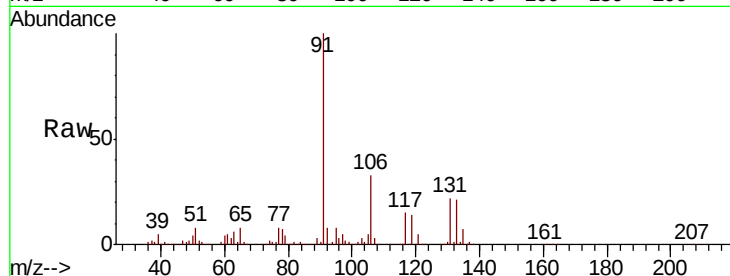
106 32.6 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/10/2018 10:09:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN051659.D (-3011) (-)

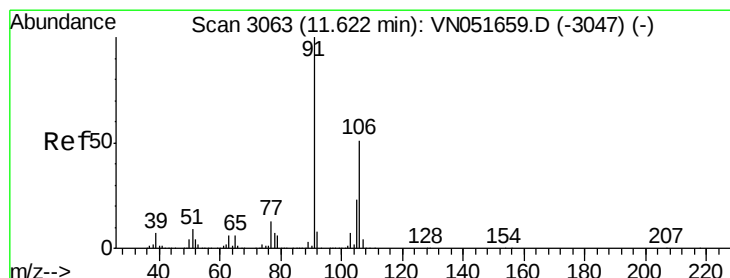
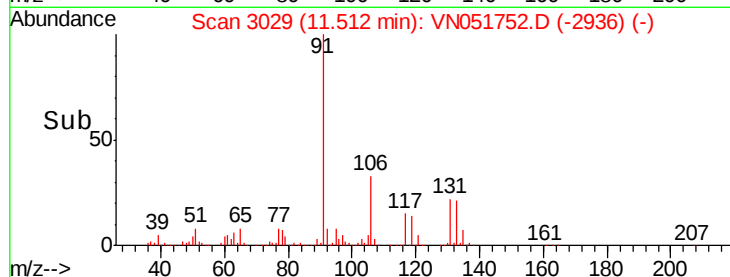
1500000

1000000

500000

0

Time--> 11.40 11.50 11.60



#68

m/p-Xylenes

Concen: 101.727 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051752.D

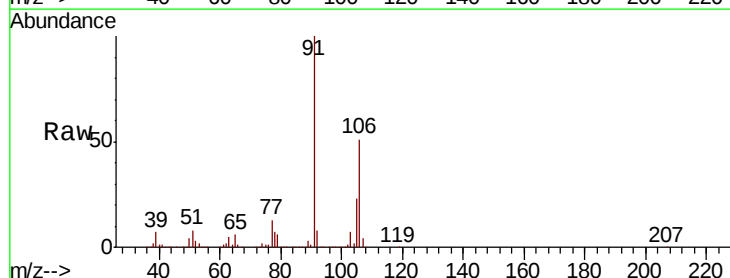
Acq: 9 Oct 2018 16:51

Tgt Ion: 106 Resp: 1625879

Ion Ratio Lower Upper

106 100

91 195.0 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VN051659.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-3047) (-)

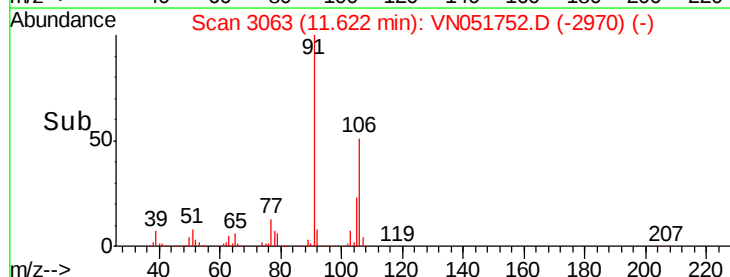
1500000

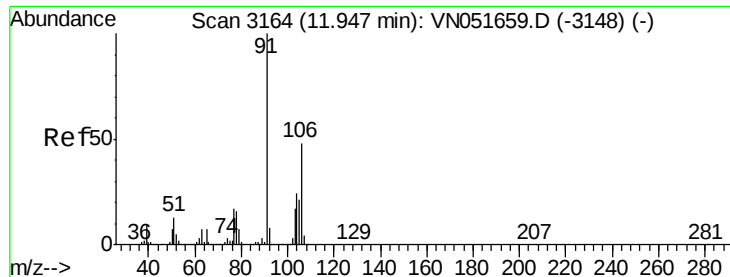
1000000

500000

0

Time--> 11.50 11.60 11.70





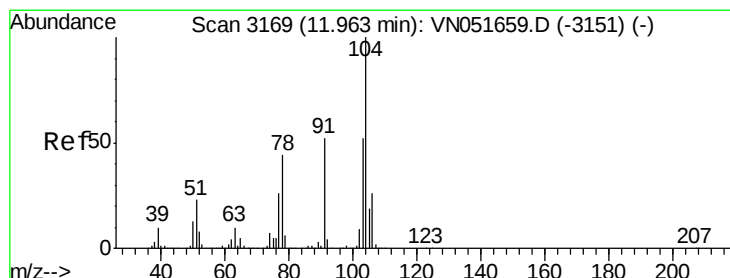
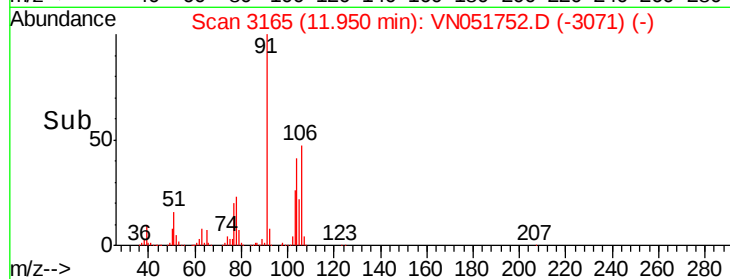
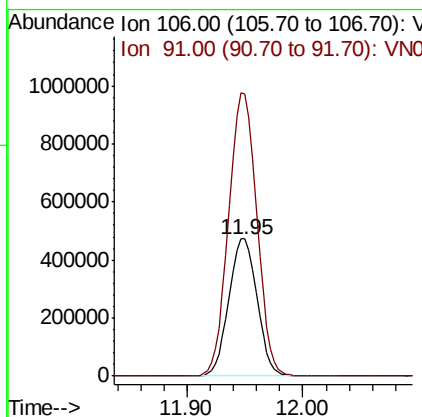
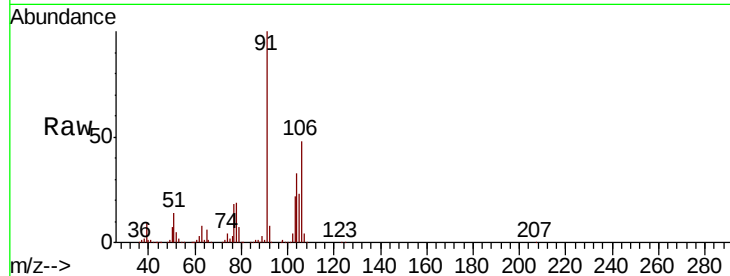
#69
o-Xylene
Concen: 50.648 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 793877
Ion Ratio Lower Upper
106 100
91 206.5 104.4 313.2

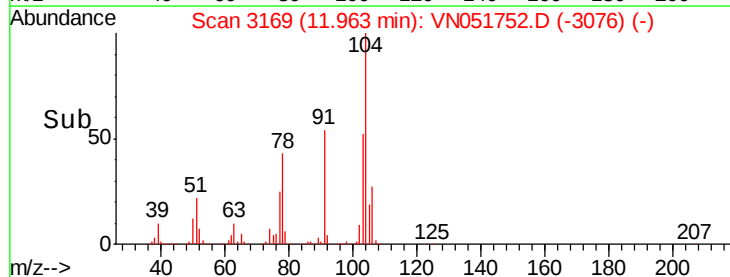
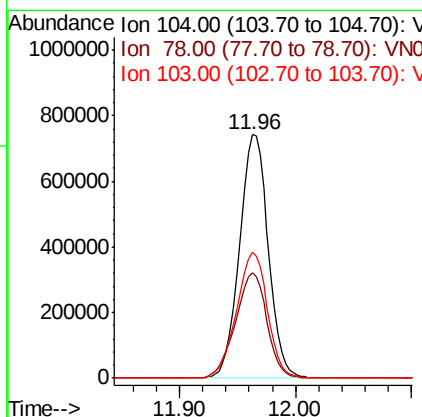
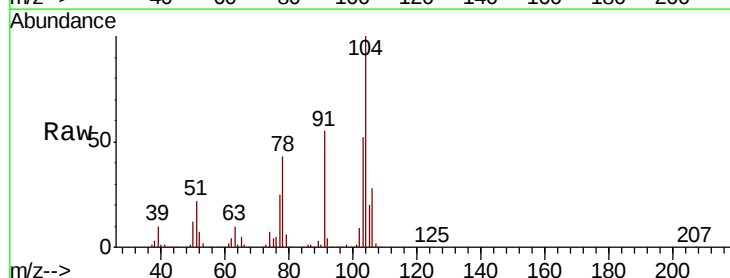
Manual Integrations
APPROVED

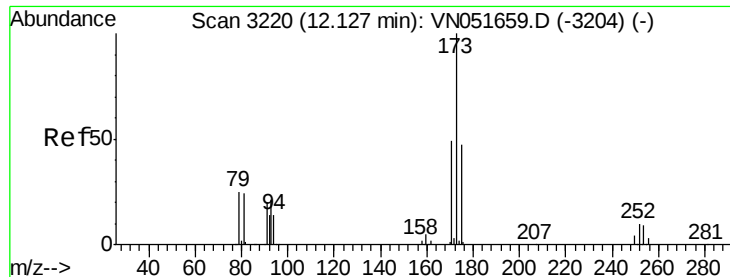
MMDadoda
10/10/2018 10:09:31 AM



#70
Styrene
Concen: 51.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:104 Resp: 1276506
Ion Ratio Lower Upper
104 100
78 47.1 39.3 58.9
103 55.8 45.0 67.6





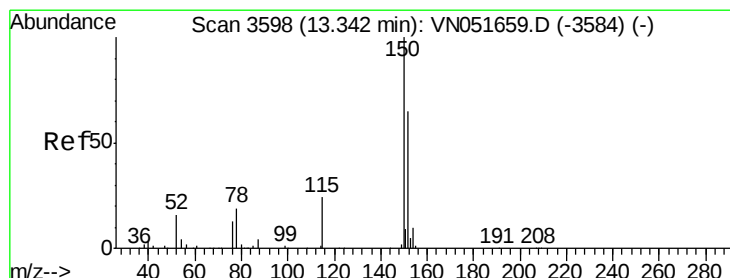
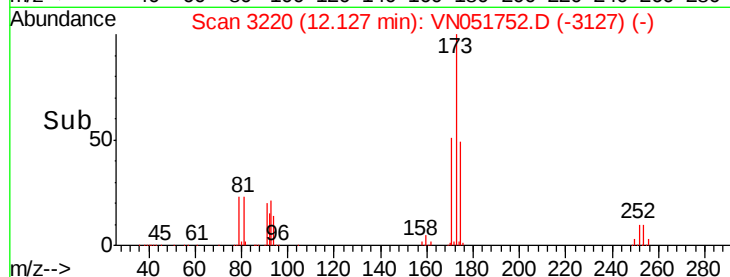
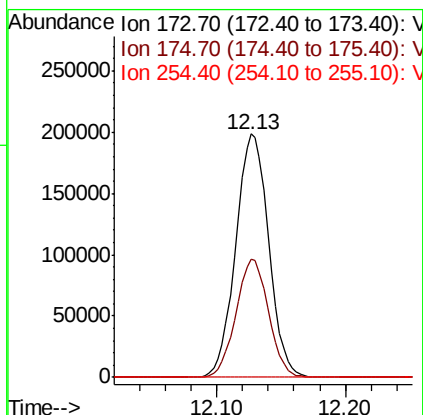
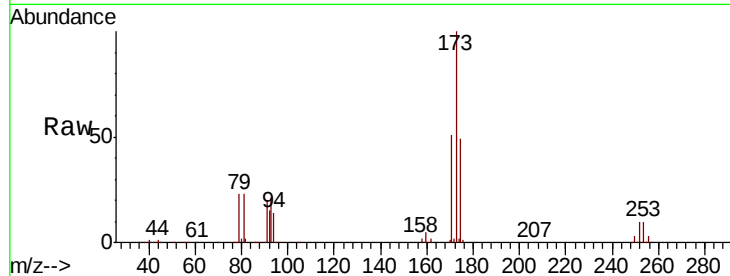
#71
Bromoform
Concen: 51.137 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	0.1	0.1	0.1

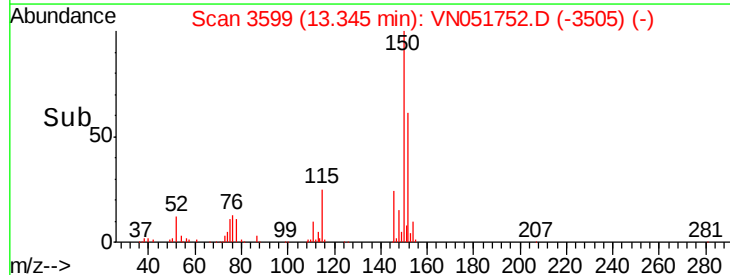
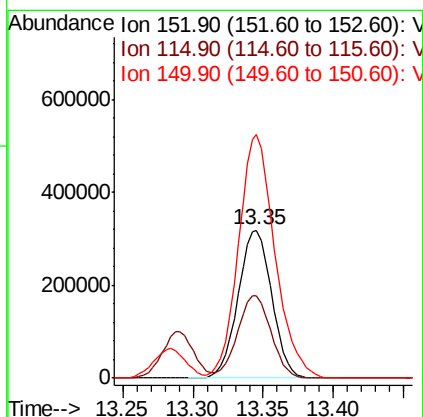
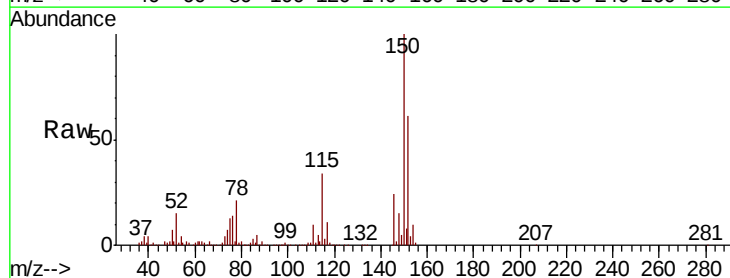
Manual Integrations
APPROVED

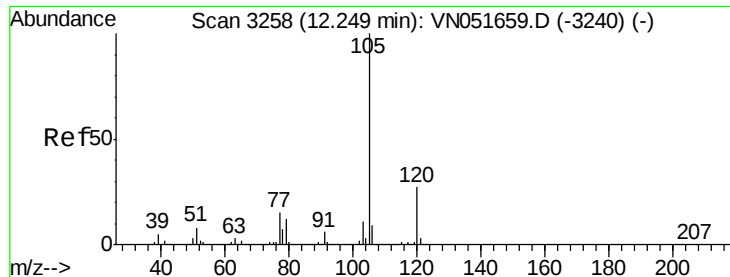
MMDadoda
10/10/2018 10:09:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.6	85.8
150	177.3	0.0	352.4





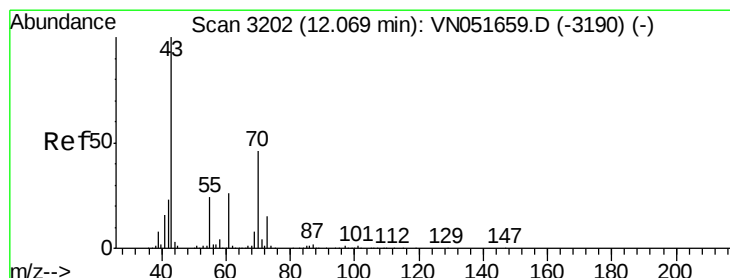
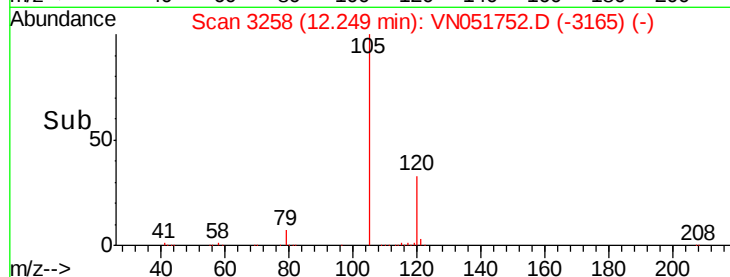
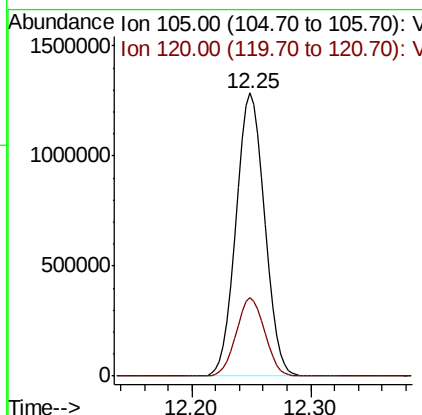
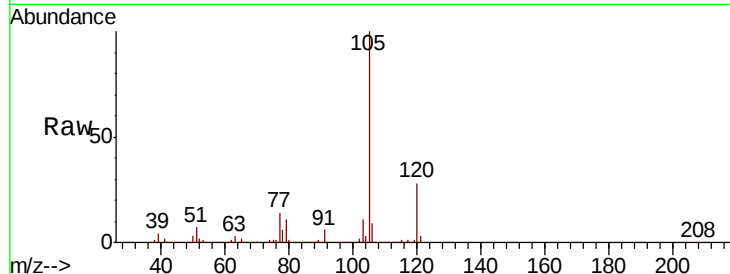
#73
Isopropylbenzene
Concen: 46.984 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 2139103
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.6

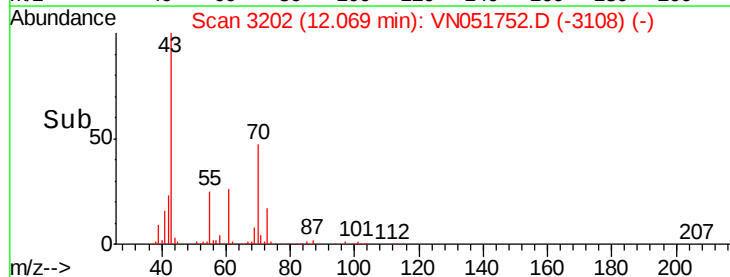
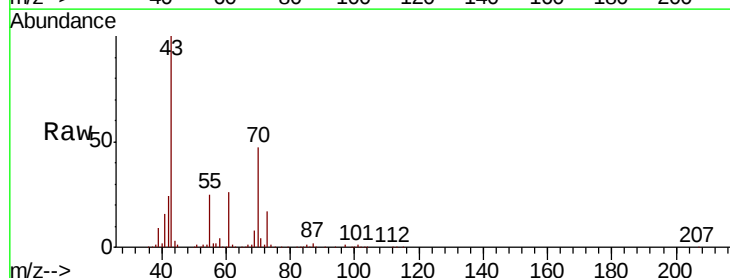
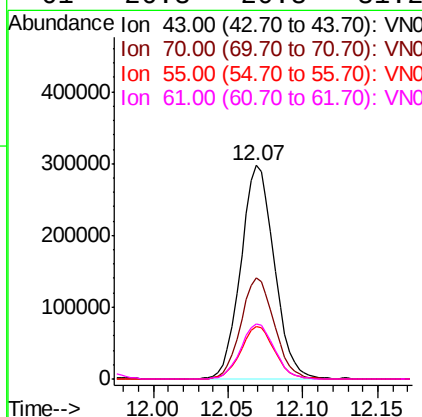
Manual Integrations
APPROVED

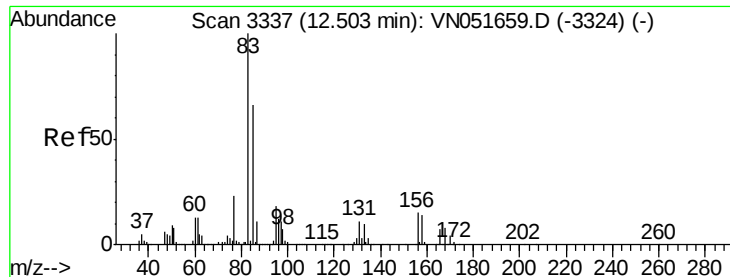
MMDadoda
10/10/2018 10:09:31 AM



#74
N-ethyl acetate
Concen: 49.072 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 43 Resp: 462328
Ion Ratio Lower Upper
43 100
70 47.5 37.1 55.7
55 24.6 19.1 28.7
61 26.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.155 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 483352

Ion Ratio Lower Upper

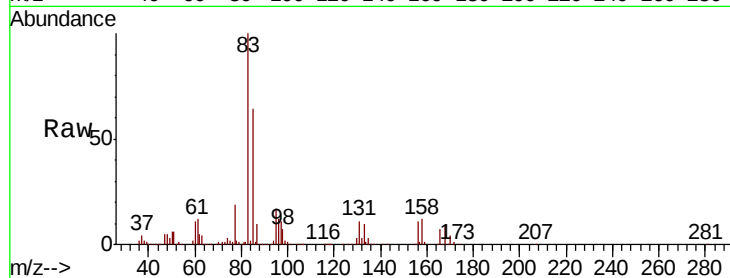
83 100

131 11.8 5.7 17.1

85 64.3 33.0 98.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051752.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051752.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051752.D (-3243) (-)

12.50

300000

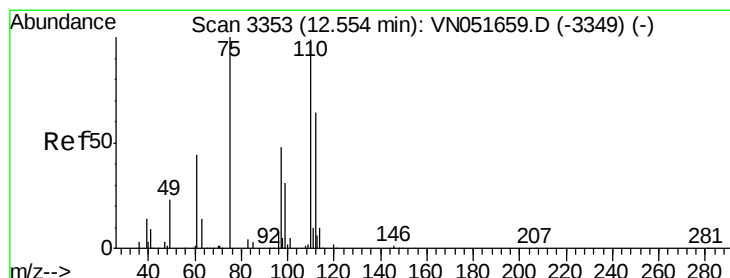
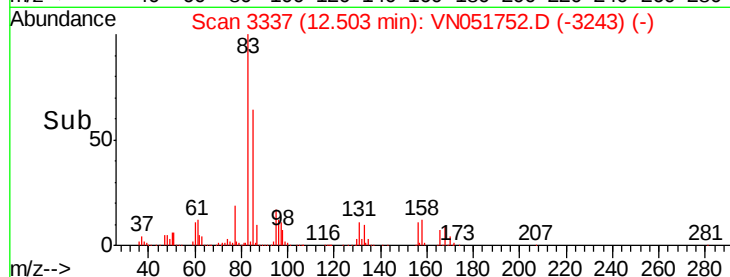
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 63.314 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051752.D

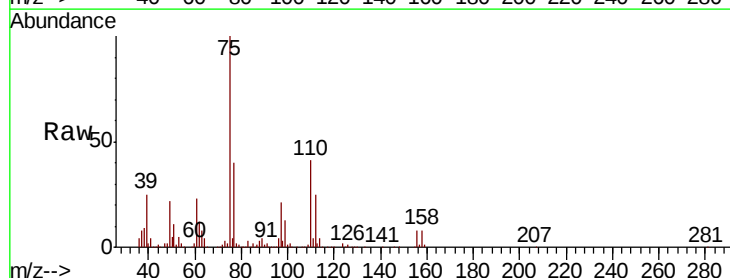
Acq: 9 Oct 2018 16:51

Tgt Ion: 75 Resp: 412919

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051752.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051752.D (-3260) (-)

12.55

500000

400000

300000

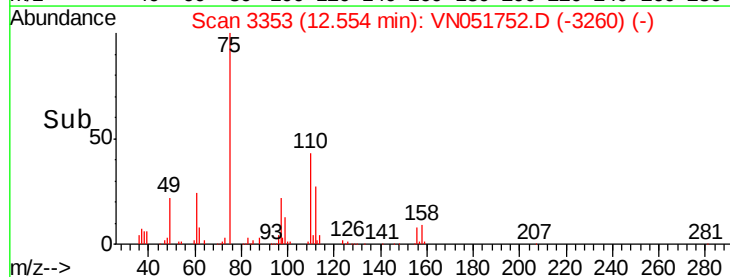
200000

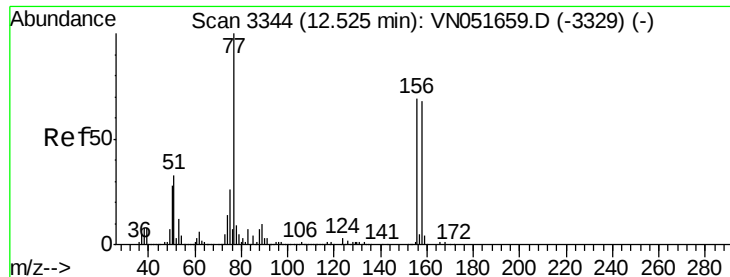
100000

0

12.55

Time-->





#77

Bromobenzene

Concen: 48.917 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

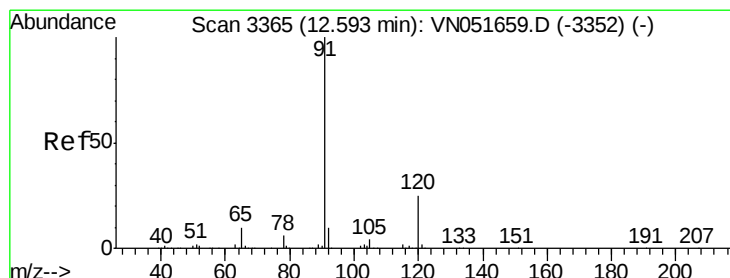
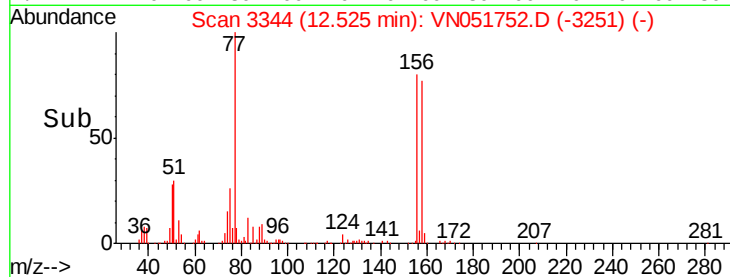
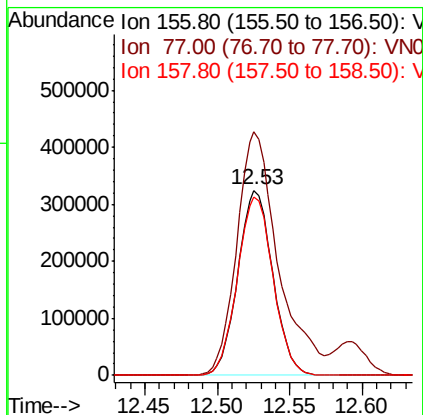
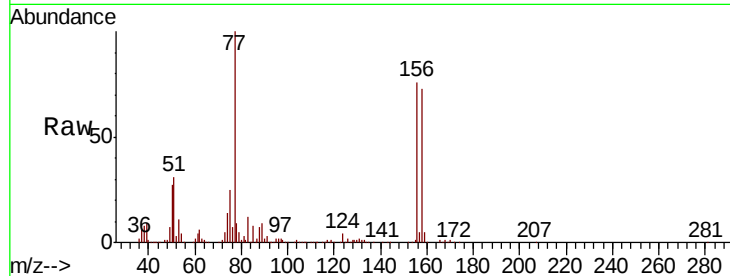
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	544560
Ion Ratio	Lower	Upper	
156	100		
77	156.4	83.2	249.4
158	98.5	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM



#78

n-propylbenzene

Concen: 47.186 ug/l

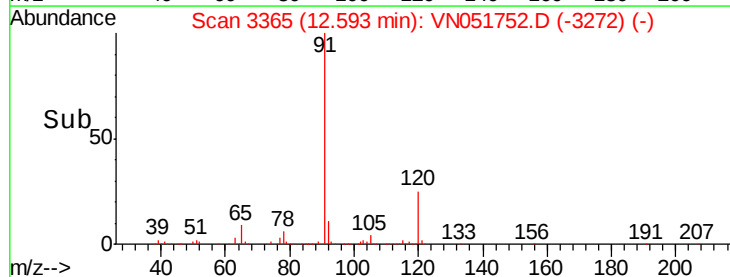
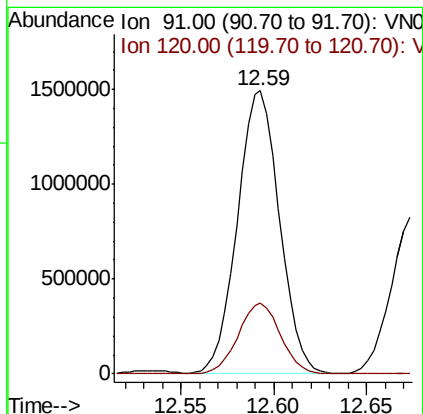
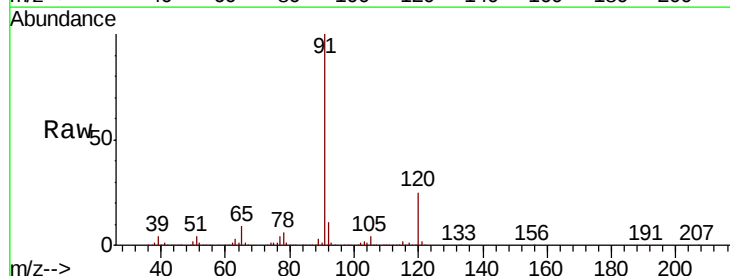
RT: 12.59 min Scan# 3365

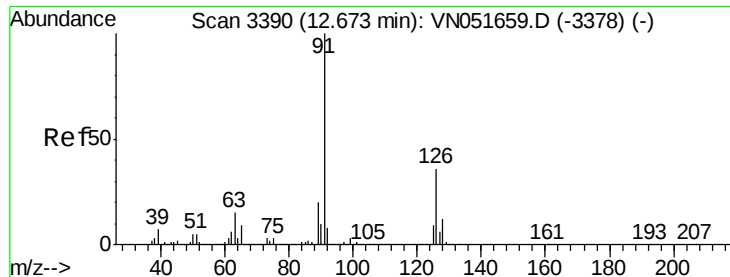
Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Tgt Ion:	91	Resp:	2343189
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.4	37.2





#79

2-Chlorotoluene

Concen: 46.926 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1373378

Ion Ratio Lower Upper

91 100

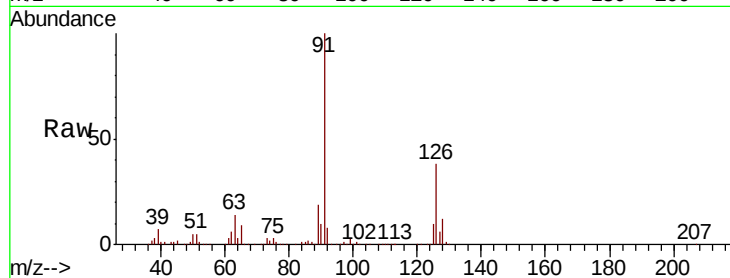
126 38.1 18.5 55.5

Manual Integrations

APPROVED

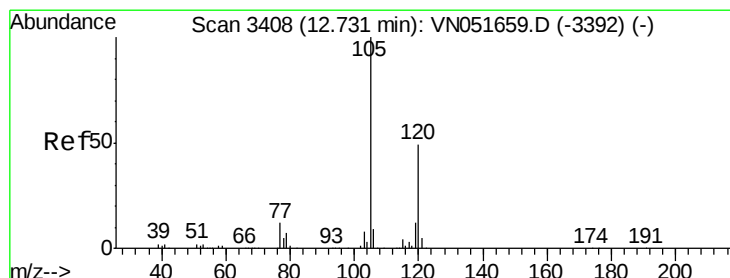
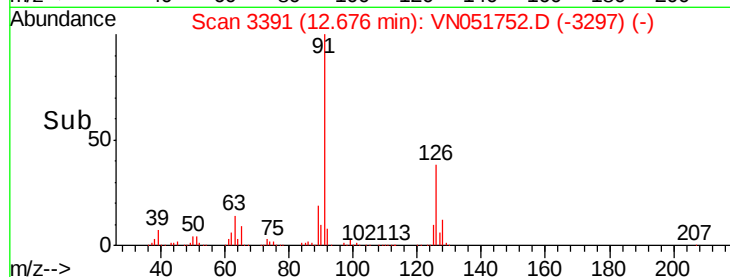
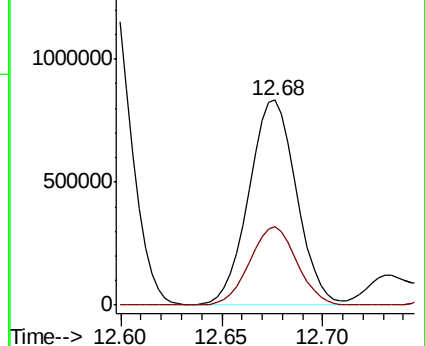
MMDadoda

10/10/2018 10:09:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.375 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051752.D

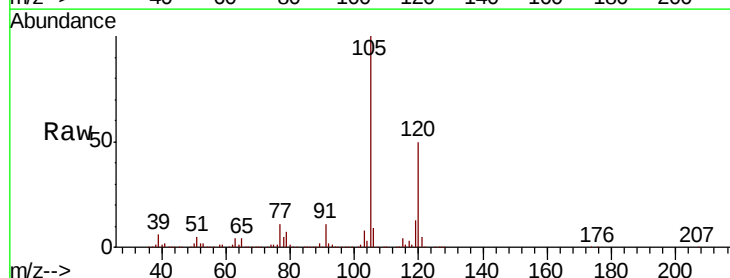
Acq: 9 Oct 2018 16:51

Tgt Ion: 105 Resp: 1817701

Ion Ratio Lower Upper

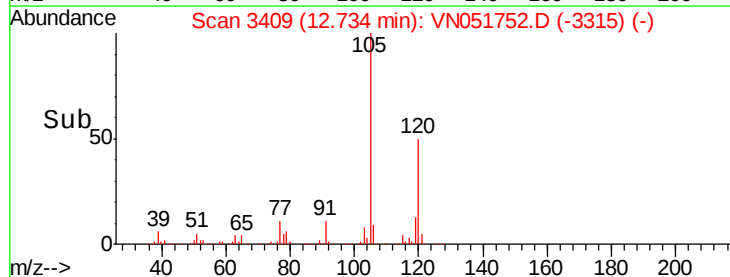
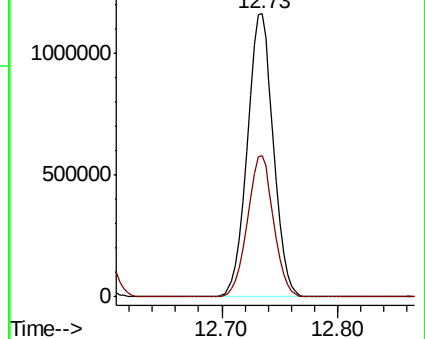
105 100

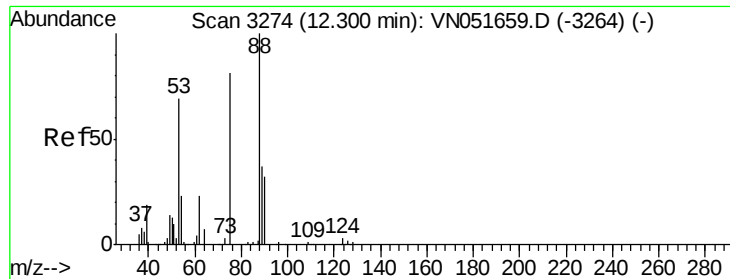
120 50.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051659.D (-3392) (-)





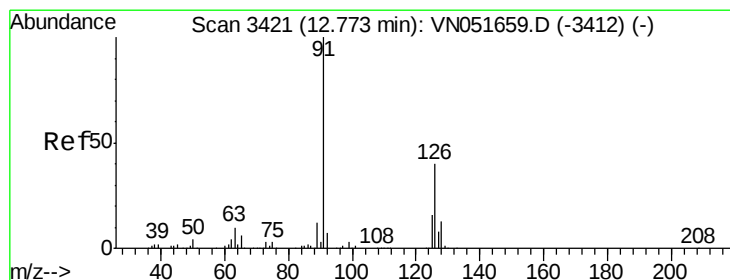
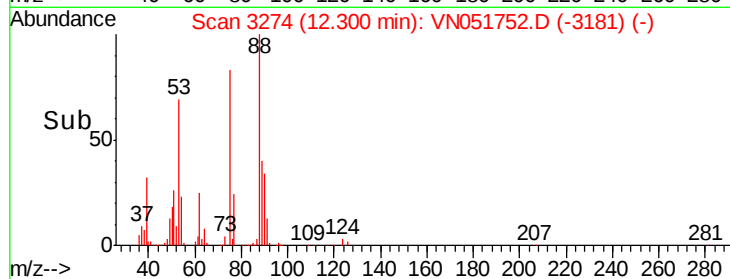
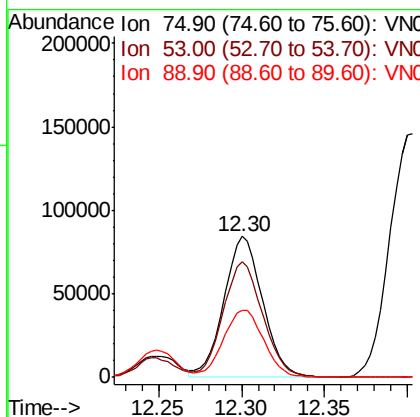
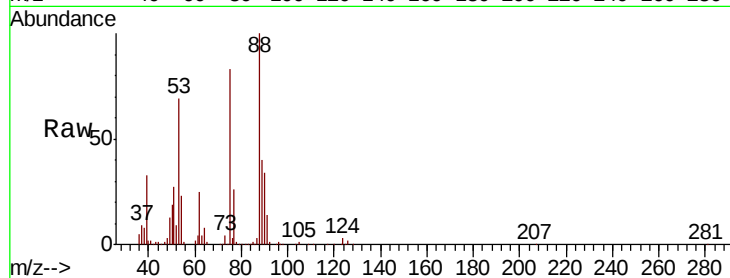
#81
trans-1,4-Dichloro-2-butene
Concen: 47.415 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.9	68.6	102.8
89	49.6	39.4	59.2

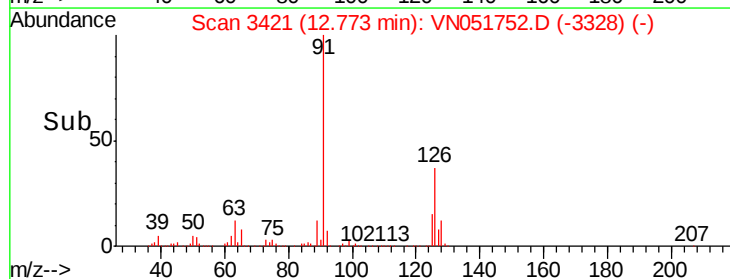
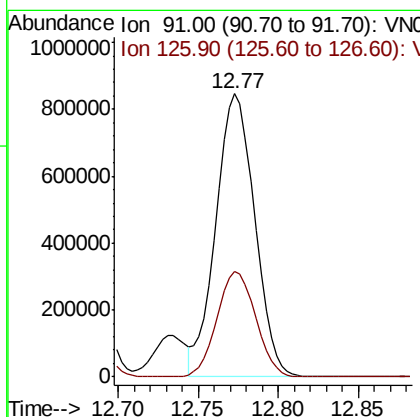
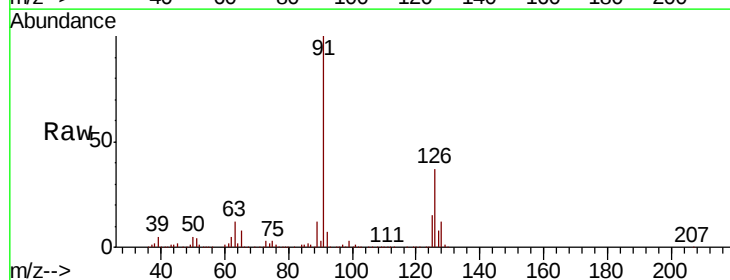
Manual Integrations
APPROVED

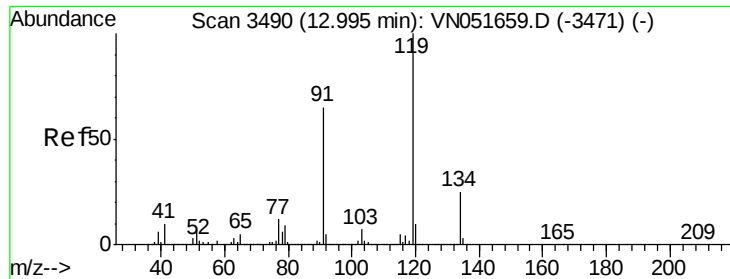
MMDadoda
10/10/2018 10:09:31 AM



#82
4-Chlorotoluene
Concen: 47.816 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.0	54.0





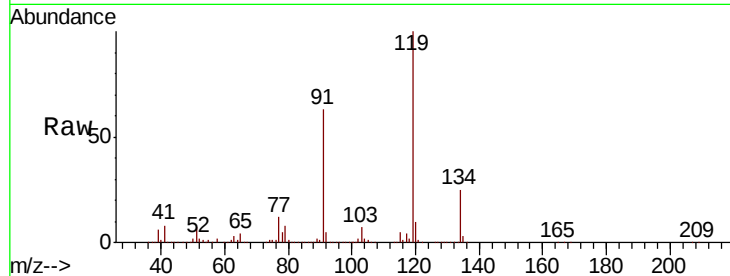
#83
tert-Butylbenzene
Concen: 48.625 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

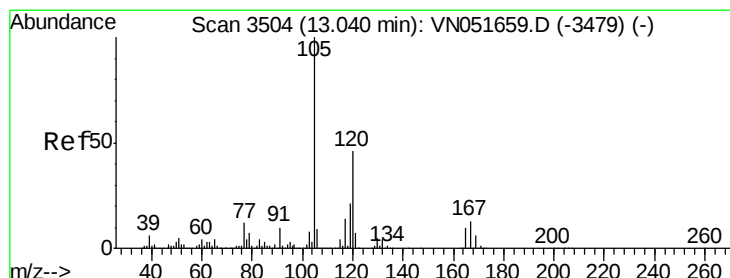
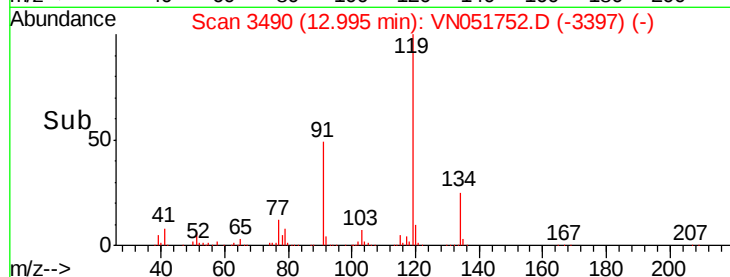
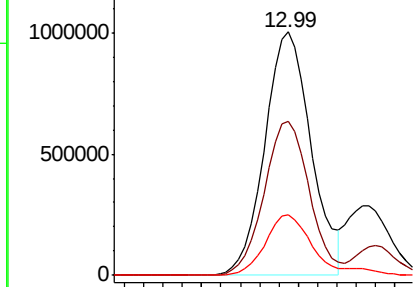
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	32.1	96.5
134	26.2	13.3	39.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM

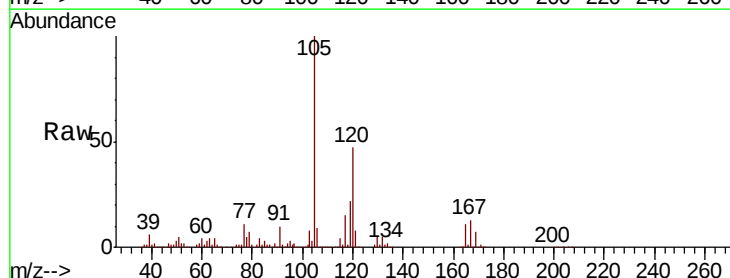


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

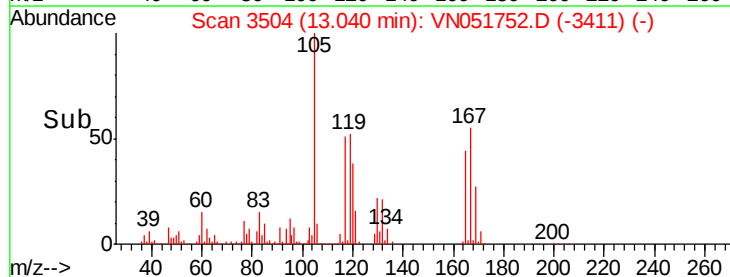
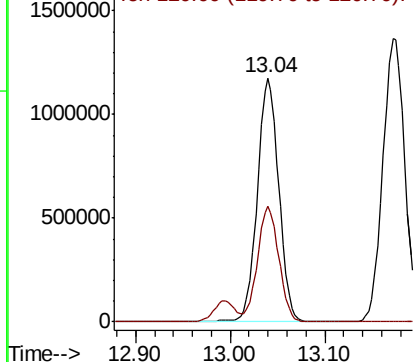


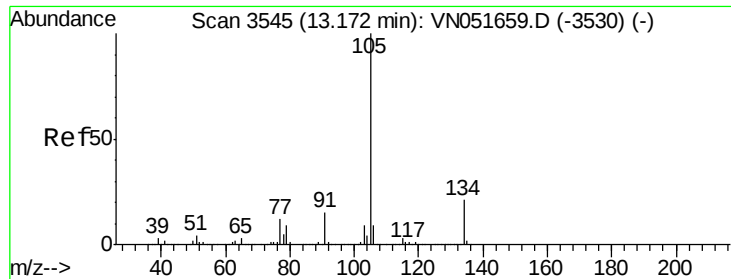
#84
1,2,4-Trimethylbenzene
Concen: 47.998 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.9	68.7



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





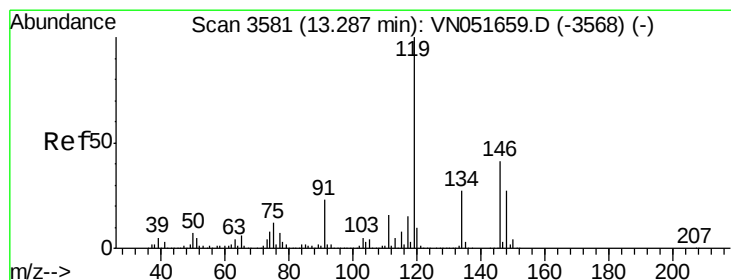
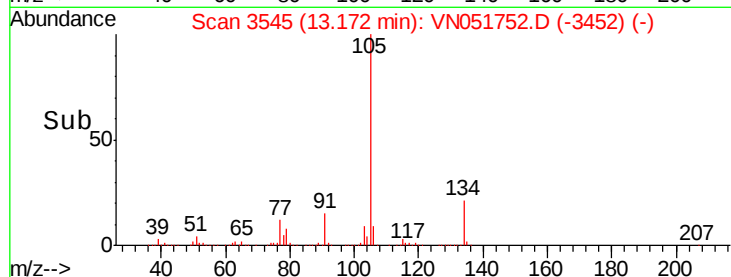
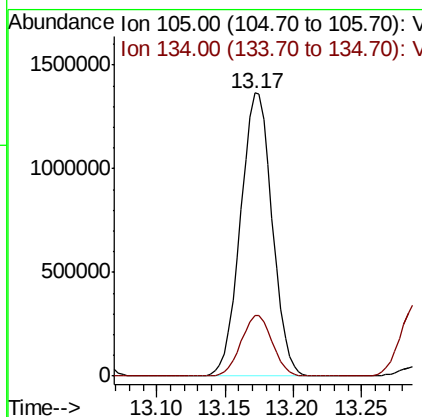
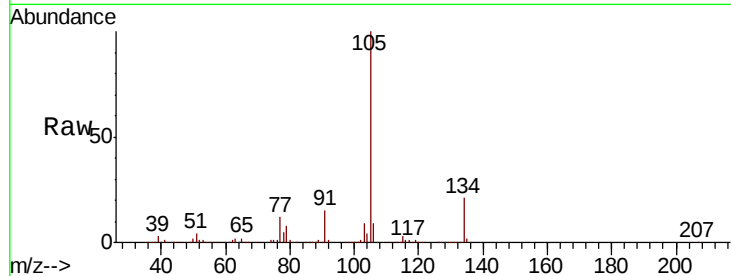
#85
 sec-Butylbenzene
 Concen: 48.347 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2198681
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6

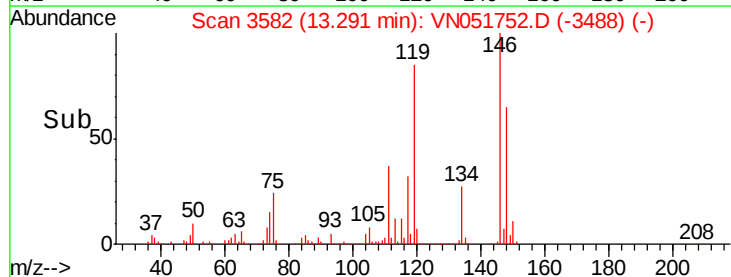
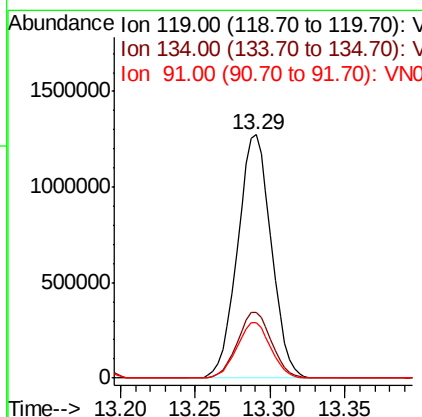
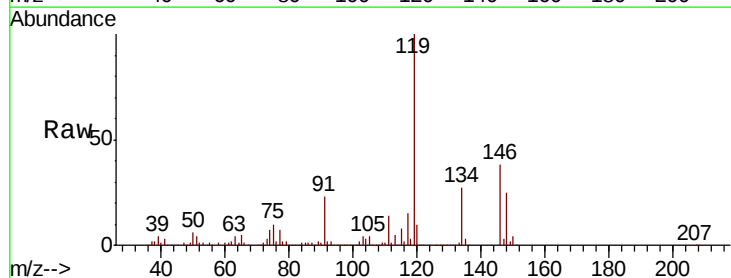
Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:31 AM



#86
 p-Isopropyltoluene
 Concen: 49.283 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion:119 Resp: 1986910
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.2
 91 22.9 11.7 35.1





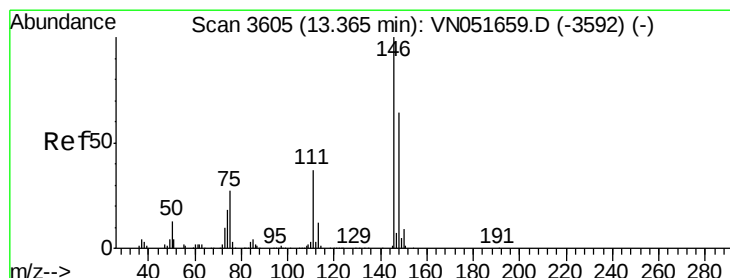
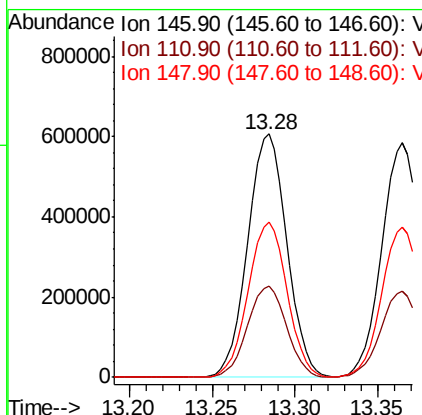
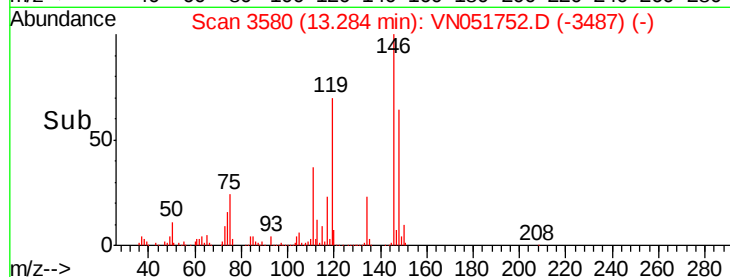
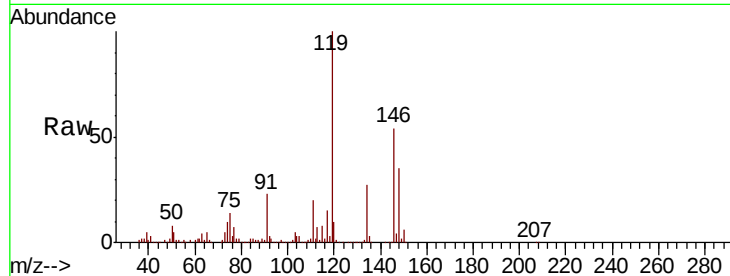
#87
 1,3-Dichlorobenzene
 Concen: 51.558 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	63.6	32.5	97.5

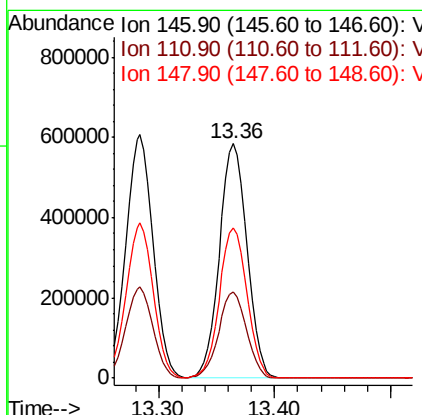
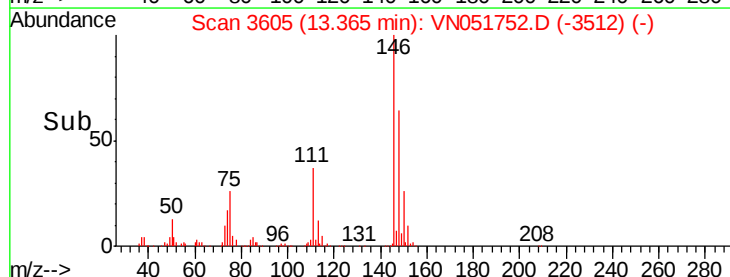
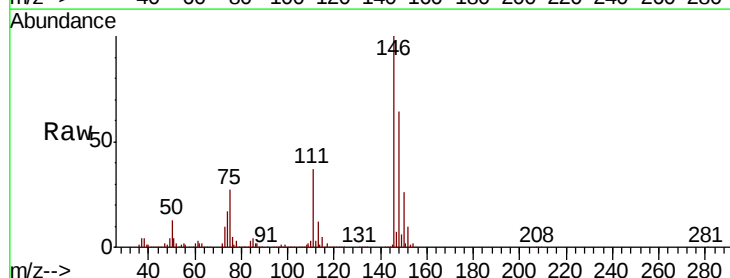
Manual Integrations
 APPROVED

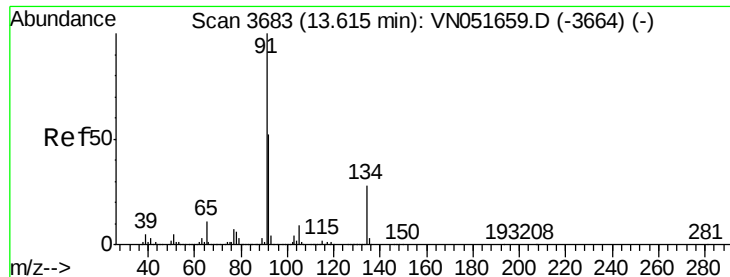
MMDadoda
 10/10/2018 10:09:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.383 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.1	32.3	96.8





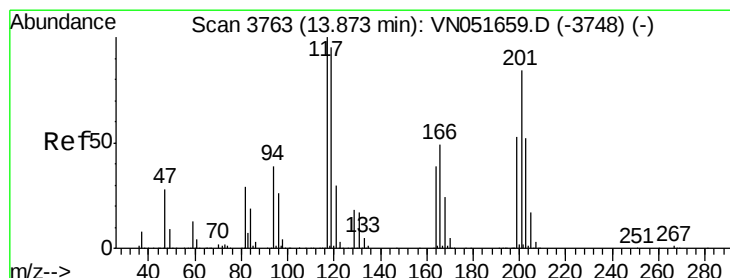
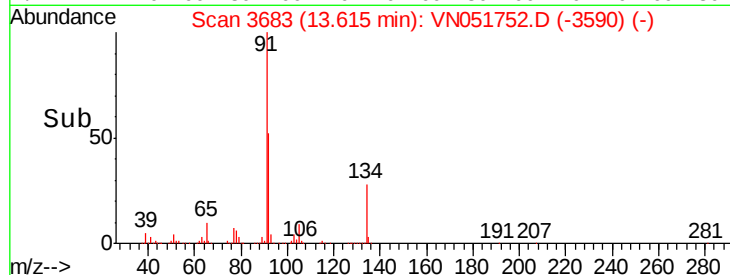
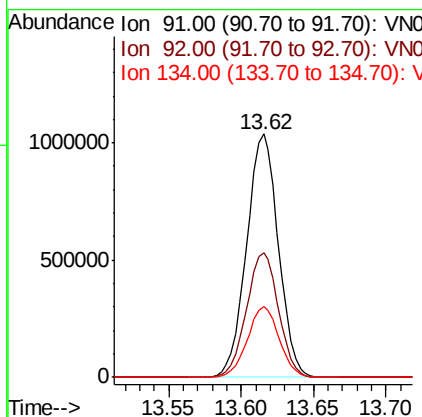
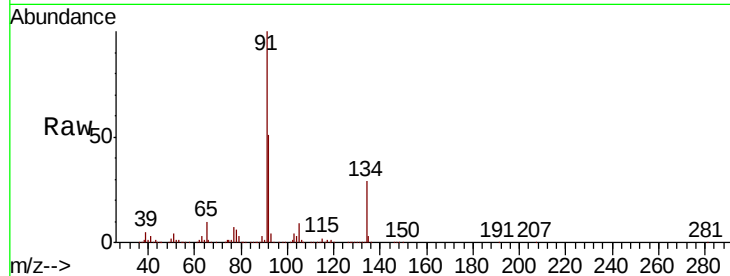
#89
n-Butylbenzene
Concen: 49.582 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	29.1	14.2	42.6

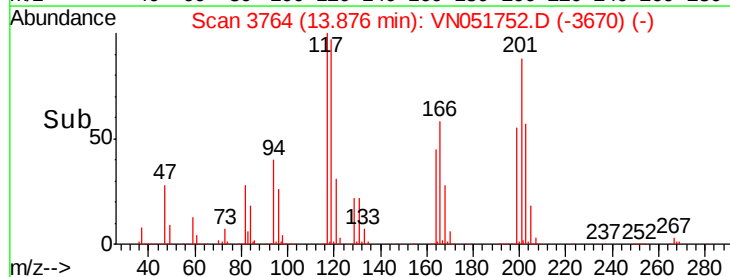
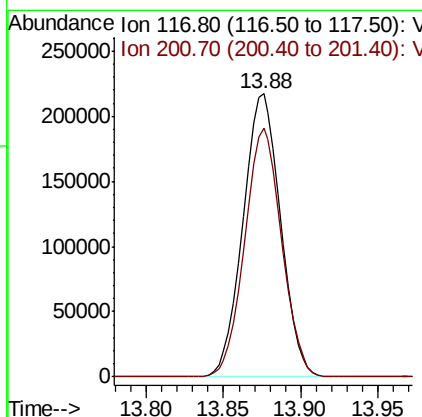
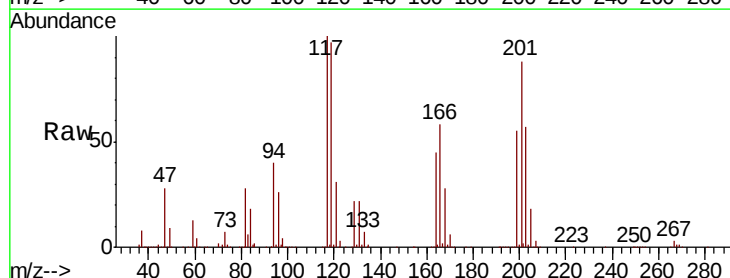
Manual Integrations
APPROVED

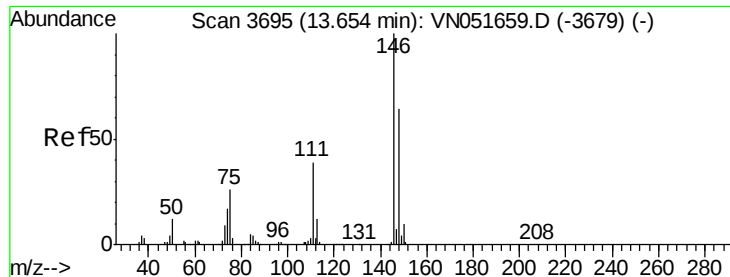
MMDadoda
10/10/2018 10:09:31 AM



#90
Hexachloroethane
Concen: 45.679 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	42.4	127.3





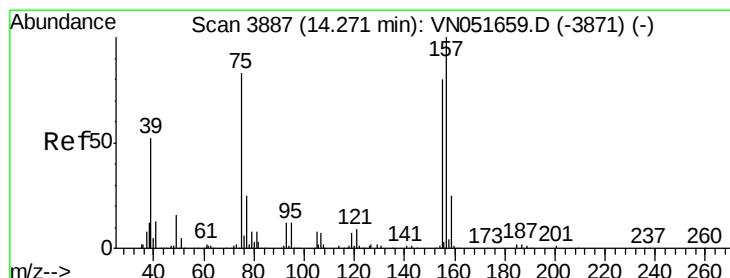
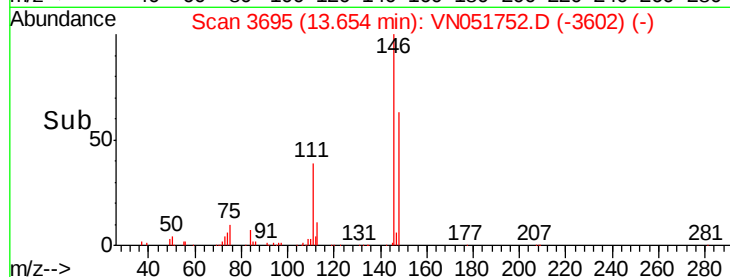
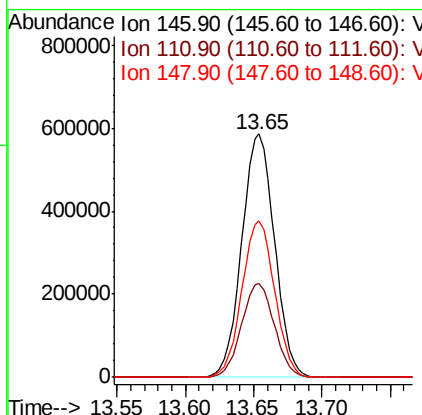
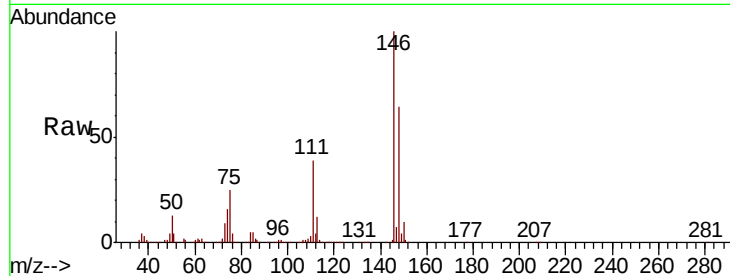
#91
 1,2-Dichlorobenzene
 Concen: 50.672 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.3	32.1	96.3

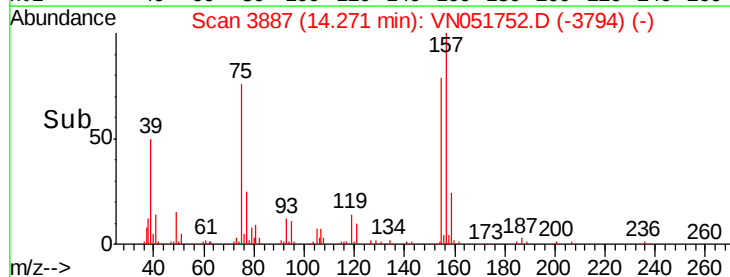
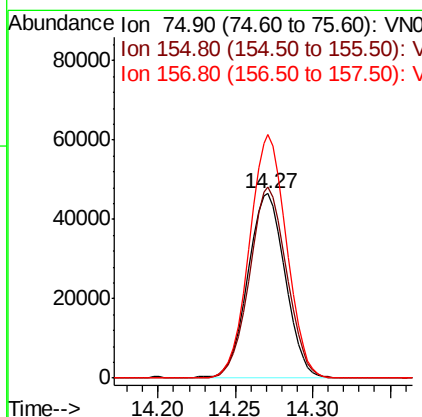
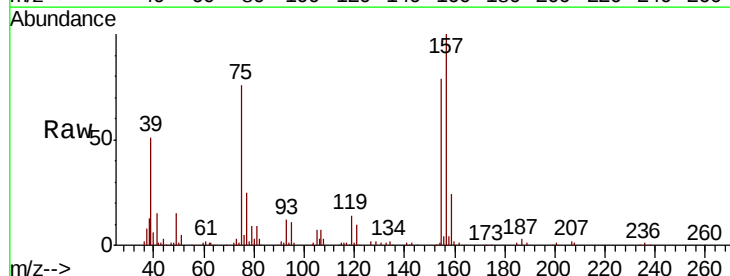
Manual Integrations
 APPROVED

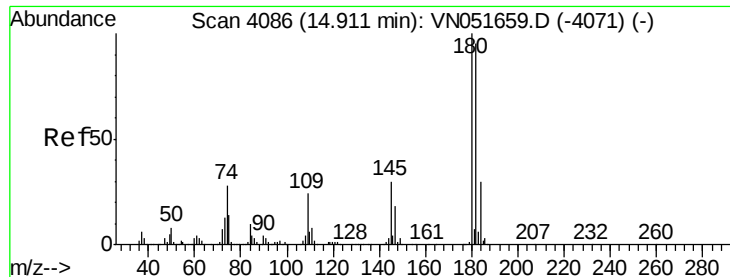
MMDadoda
 10/10/2018 10:09:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.093 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.8	47.6	142.9
157	130.5	61.7	185.1





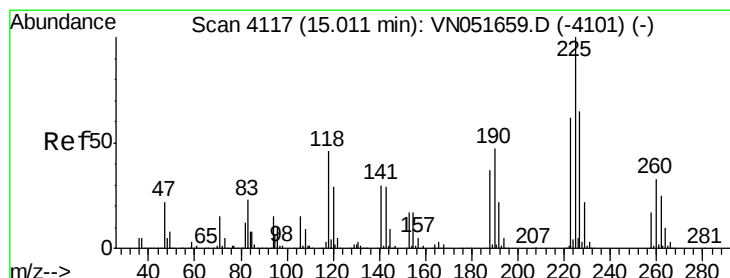
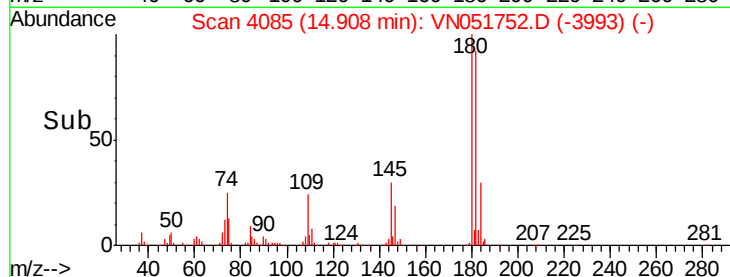
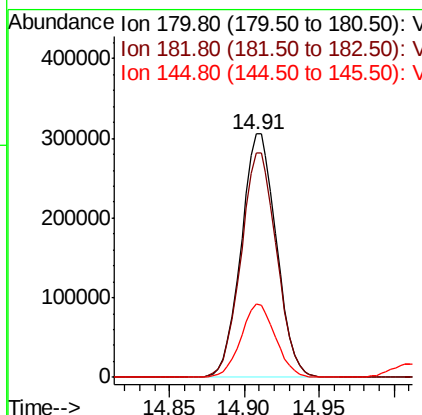
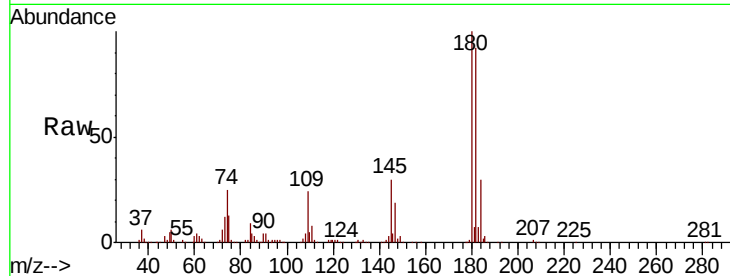
#93
1,2,4-Trichlorobenzene
Concen: 58.213 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	499516		
182	93.5	47.7	143.1	
145	29.5	15.3	45.9	

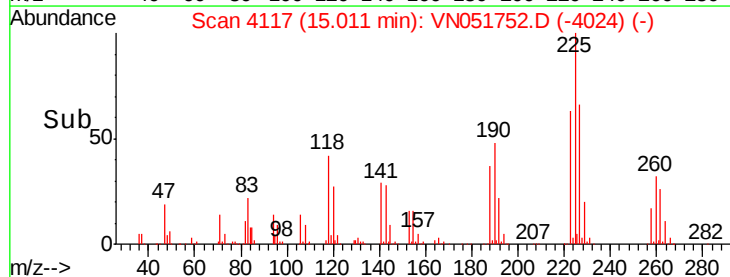
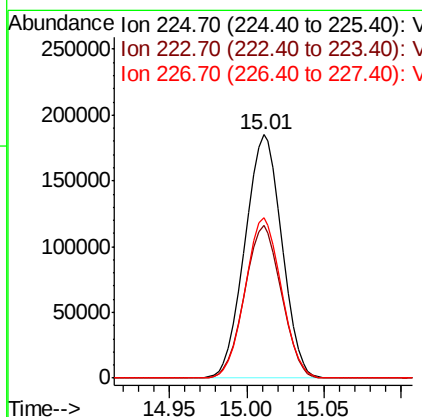
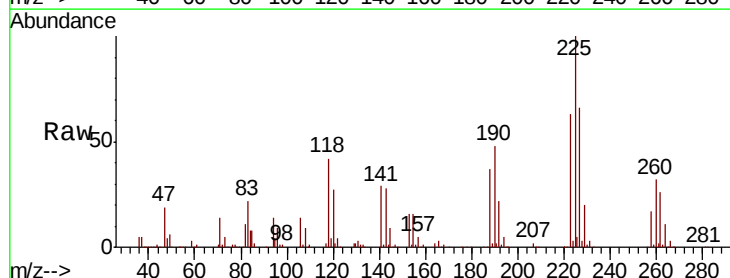
Manual Integrations
APPROVED

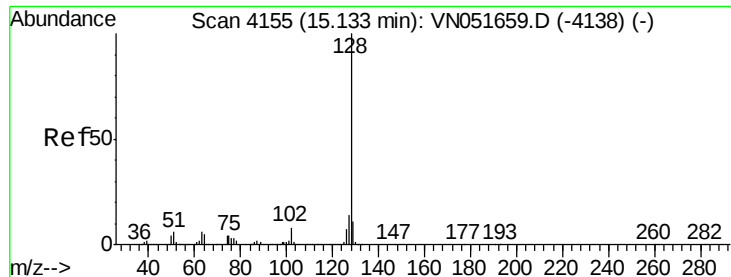
MMDadoda
10/10/2018 10:09:31 AM



#94
Hexachlorobutadiene
Concen: 52.984 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308474		
223	62.5	31.9	95.5	
227	64.6	31.7	95.1	





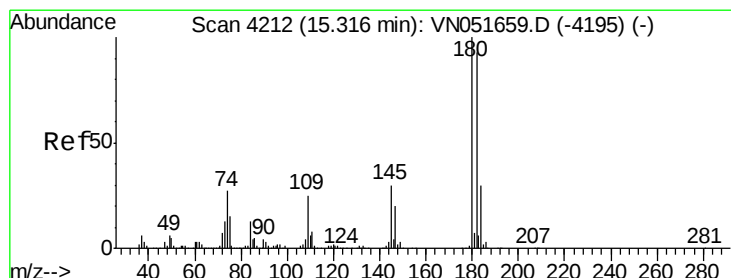
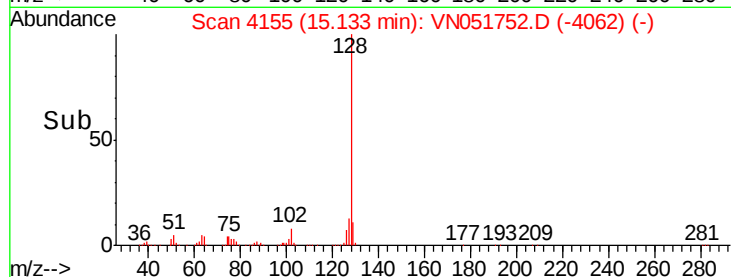
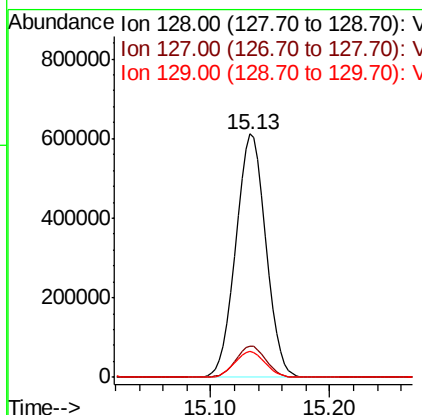
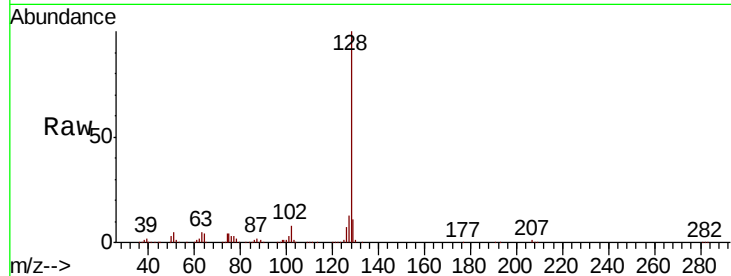
#95
Naphthalene
Concen: 57.668 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.957 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.8
145	30.7	15.6	46.8

