

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052277.D
 Acq On : 13 Nov 2018 10:36
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:03 AM

Quant Time: Nov 14 00:18:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	281237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	416812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193089	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	186378	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	148049	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	583235	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	196576	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	150992	49.384	ug/l	100
3) Chloromethane	2.06	50	199075	46.636	ug/l	100
4) Vinyl Chloride	2.19	62	171802	48.306	ug/l	100
5) Bromomethane	2.57	94	99133	43.932	ug/l	93
6) Chloroethane	2.71	64	93505	44.273	ug/l	99
7) Trichlorofluoromethane	3.02	101	236458	47.760	ug/l	97
8) Diethyl Ether	3.41	74	91380	46.917	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	152481	48.005	ug/l	100
10) Methyl Iodide	3.96	142	196019	47.562	ug/l	100
11) Tert butyl alcohol	4.77	59	55133	279.644	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	136573	46.450	ug/l	100
13) Acrolein	3.61	56	62399	210.229	ug/l	98
14) Allyl chloride	4.33	41	260505	42.320	ug/l	87
15) Acrylonitrile	4.99	53	296152	244.402	ug/l	98
16) Acetone	3.82	43	290475	304.681	ug/l	100
17) Carbon Disulfide	4.06	76	403276	47.283	ug/l	99
18) Methyl Acetate	4.32	43	150782	46.916	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	407205	48.476	ug/l	99
20) Methylene Chloride	4.55	84	161542	46.072	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	149637	46.828	ug/l	98
22) Diisopropyl ether	5.95	45	584925	47.401	ug/l	98
23) Vinyl Acetate	5.90	43	2107891	248.942	ug/l	99
24) 1,1-Dichloroethane	5.85	63	303821	46.614	ug/l	99
25) 2-Butanone	6.83	43	411647	250.890	ug/l	99
26) 2,2-Dichloropropane	6.83	77	236631	49.708	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171286	47.886	ug/l	97
28) Bromochloromethane	7.19	49	153644	47.707	ug/l	99
29) Tetrahydrofuran	7.21	42	254310	238.158	ug/l	99
30) Chloroform	7.37	83	297266	48.192	ug/l	98
31) Cyclohexane	7.65	56	295694	49.033	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	245718	48.872	ug/l	99
36) 1,1-Dichloropropene	7.79	75	232173	49.454	ug/l	99
37) Ethyl Acetate	6.93	43	171232	48.494	ug/l	100
38) Carbon Tetrachloride	7.78	117	218495	51.357	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052277.D
 Acq On : 13 Nov 2018 10:36
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:03 AM

Quant Time: Nov 14 00:18:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	282195	52.699	ug/l	99
40) Benzene	8.04	78	662019	49.252	ug/l	99
41) Methacrylonitrile	7.18	41	87270	42.534	ug/l	94
42) 1,2-Dichloroethane	8.12	62	230374	48.849	ug/l	99
43) Isopropyl Acetate	8.16	43	311370	50.590	ug/l	99
44) Trichloroethene	8.84	130	164418	48.814	ug/l	99
45) 1,2-Dichloropropane	9.12	63	186922	49.778	ug/l	98
46) Dibromomethane	9.21	93	108449	50.279	ug/l	99
47) Bromodichloromethane	9.40	83	224581	50.254	ug/l	98
48) Methyl methacrylate	9.20	41	160691	49.551	ug/l	99
49) 1,4-Dioxane	9.20	88	30498	1169.885	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	862977	253.893	ug/l	100
52) Toluene	10.16	92	400436	49.386	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	233513	52.951	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	270140	51.891	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144565	49.328	ug/l	98
56) Ethyl methacrylate	10.43	69	201059	50.761	ug/l	99
57) 1,3-Dichloropropane	10.71	76	258984	49.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	570410	260.082	ug/l	99
59) 2-Hexanone	10.75	43	624815	261.858	ug/l	98
60) Dibromochloromethane	10.90	129	160981	54.153	ug/l	99
61) 1,2-Dibromoethane	11.00	107	145638	50.564	ug/l	99
64) Tetrachloroethene	10.63	164	147820	50.653	ug/l	98
65) Chlorobenzene	11.43	112	436027	49.370	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154167	51.532	ug/l	98
67) Ethyl Benzene	11.51	91	791420	50.945	ug/l	98
68) m/p-Xylenes	11.62	106	587193	101.497	ug/l	100
69) o-Xylene	11.95	106	279628	50.591	ug/l	99
70) Styrene	11.96	104	467164	52.315	ug/l	99
71) Bromoform	12.13	173	96613	54.133	ug/l #	99
73) Isopropylbenzene	12.25	105	767670	48.635	ug/l	100
74) N-amyl acetate	12.07	43	289829	50.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	183336	47.379	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	162405m	47.539	ug/l	
77) Bromobenzene	12.53	156	176825	47.859	ug/l	97
78) n-propylbenzene	12.59	91	924441	50.006	ug/l	100
79) 2-Chlorotoluene	12.67	91	520792	48.628	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	624043	49.713	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53013	52.970	ug/l	94
82) 4-Chlorotoluene	12.77	91	538421	50.105	ug/l	99
83) tert-Butylbenzene	12.99	119	534957	48.814	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	633822	50.078	ug/l	100
85) sec-Butylbenzene	13.17	105	768312	51.122	ug/l	100
86) p-Isopropyltoluene	13.29	119	654279	52.038	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	322026	50.067	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	322770	50.127	ug/l	99
89) n-Butylbenzene	13.61	91	597014	53.326	ug/l	99
90) Hexachloroethane	13.87	117	114092	51.700	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	311044	49.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27800	50.534	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
Data File : VN052277.D
Acq On : 13 Nov 2018 10:36
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM

Quant Time: Nov 14 00:18:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145380	58.571	ug/l	99
94) Hexachlorobutadiene	15.01	225	72657	53.869	ug/l	98
95) Naphthalene	15.13	128	333348	54.491	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128704	54.843	ug/l	99

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

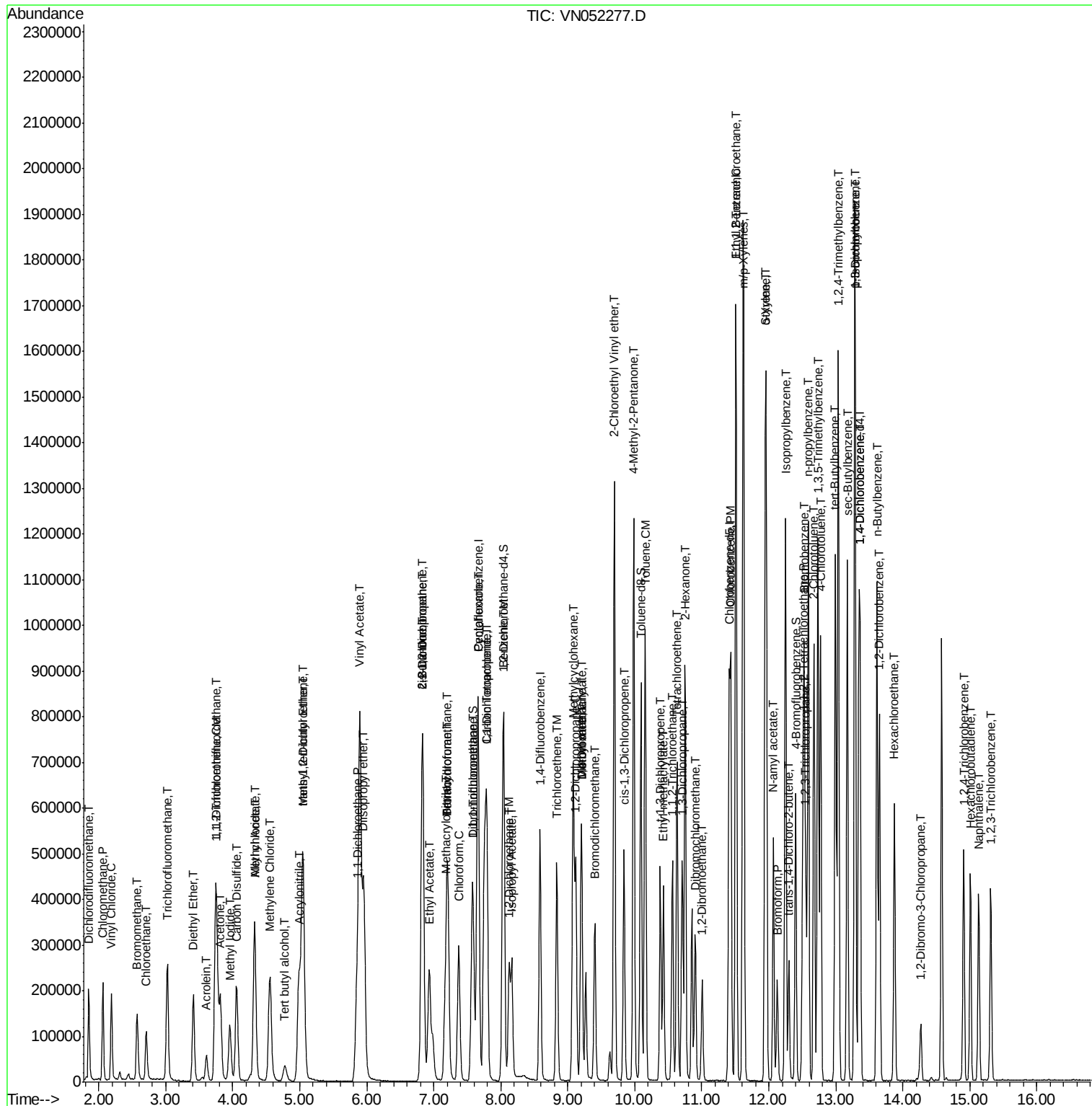
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111318\
Data File : VN052277.D
Acq On : 13 Nov 2018 10:36
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

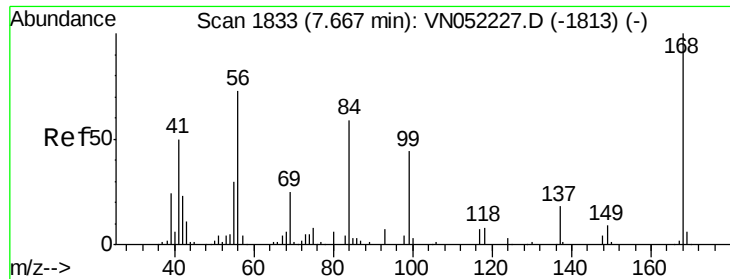
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM

Quant Time: Nov 14 00:18:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 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: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 281237

Ion Ratio Lower Upper

168 100

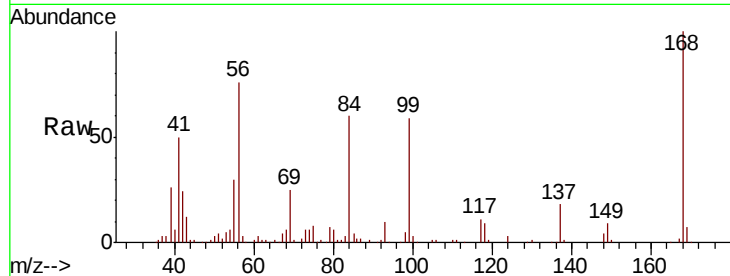
99 59.1 44.7 67.1

Manual Integrations

APPROVED

MMDadoda

11/14/2018 11:10:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

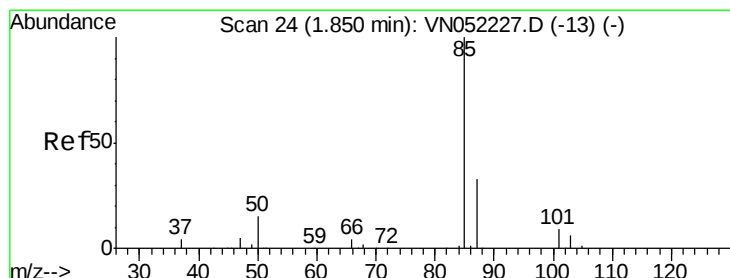
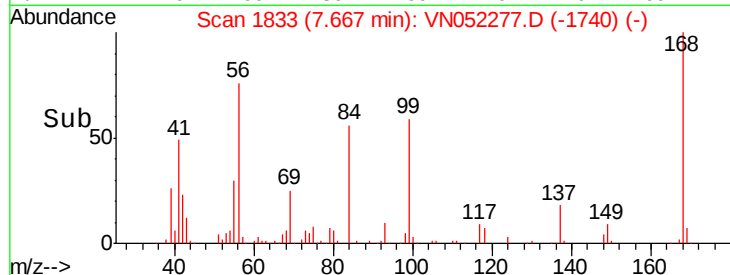
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.384 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052277.D

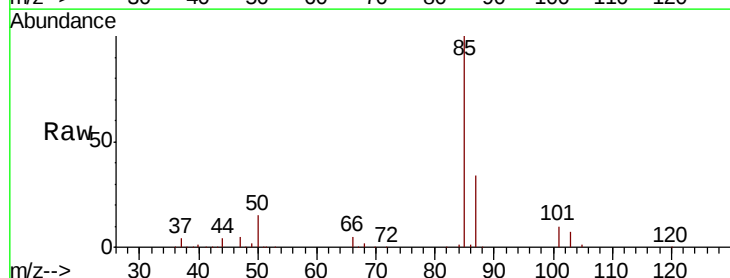
Acq: 13 Nov 2018 10:36

Tgt Ion: 85 Resp: 150992

Ion Ratio Lower Upper

85 100

87 33.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

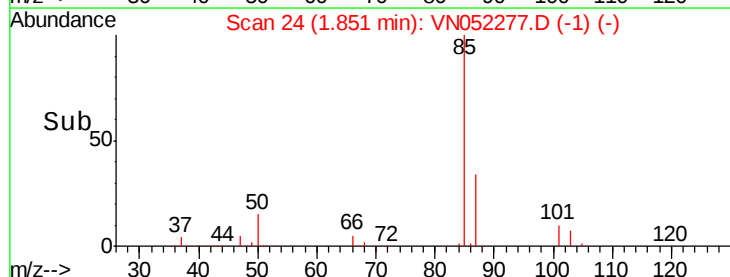
60000

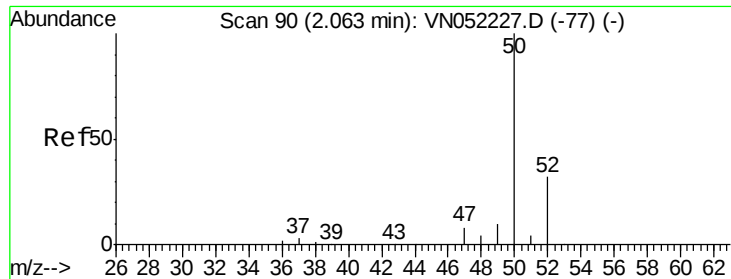
40000

20000

0

Time-->





#3

Chloromethane

Concen: 46.636 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 199075

Ion Ratio Lower Upper

50 100

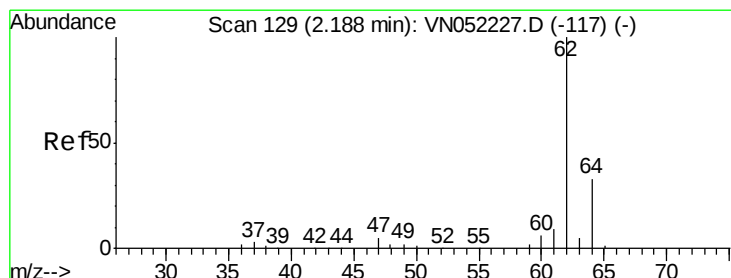
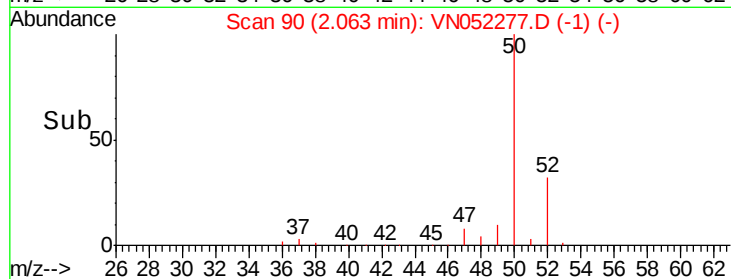
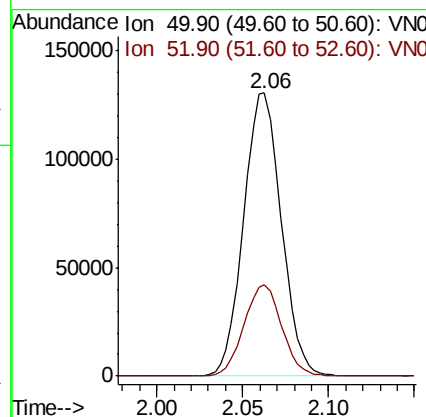
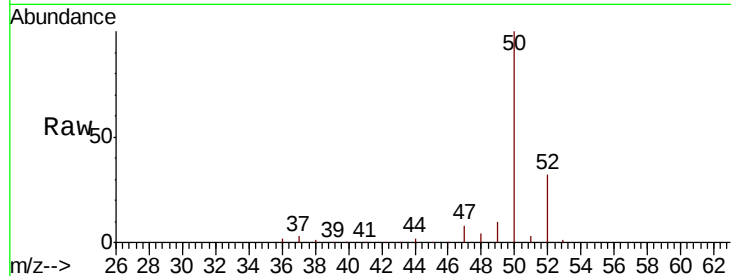
52 32.2 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/14/2018 11:10:03 AM



#4

Vinyl Chloride

Concen: 48.306 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052277.D

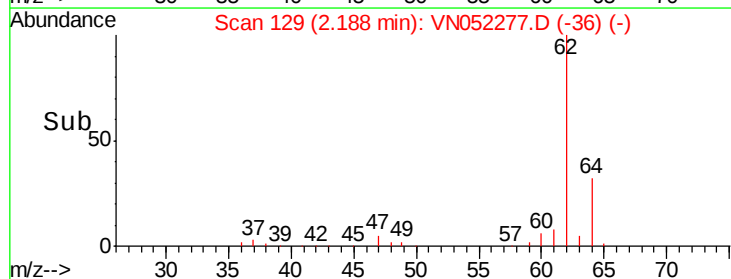
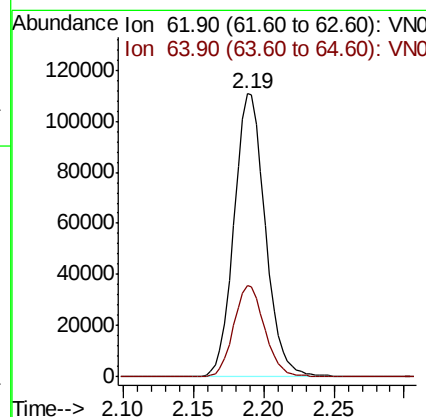
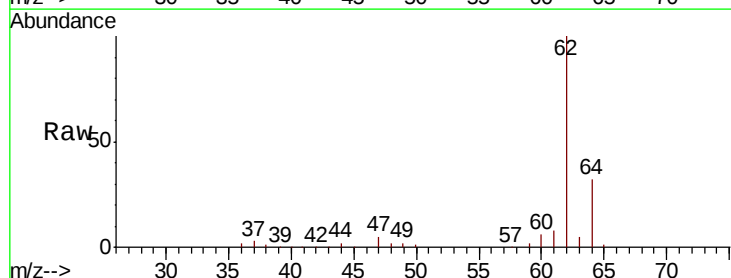
Acq: 13 Nov 2018 10:36

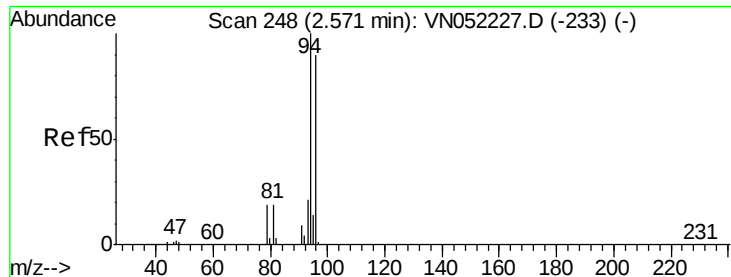
Tgt Ion: 62 Resp: 171802

Ion Ratio Lower Upper

62 100

64 32.5 26.1 39.1





#5

Bromomethane

Concen: 43.932 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 99133

Ion Ratio Lower Upper

94 100

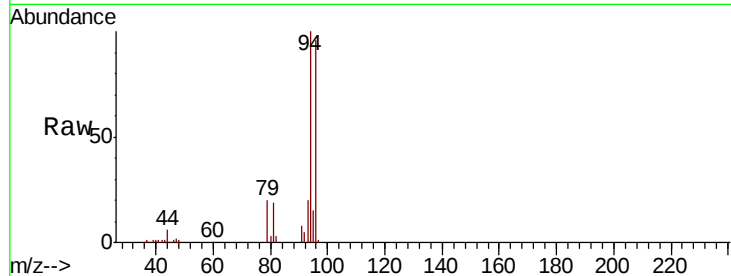
96 95.9 71.8 107.8

Manual Integrations

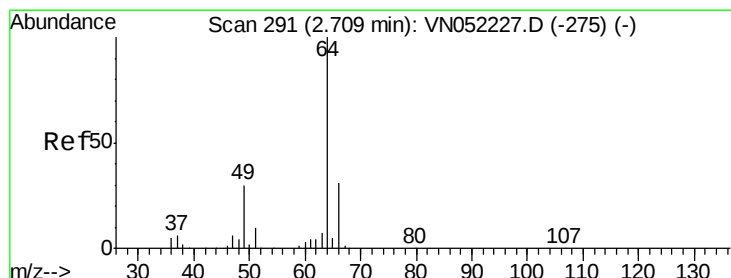
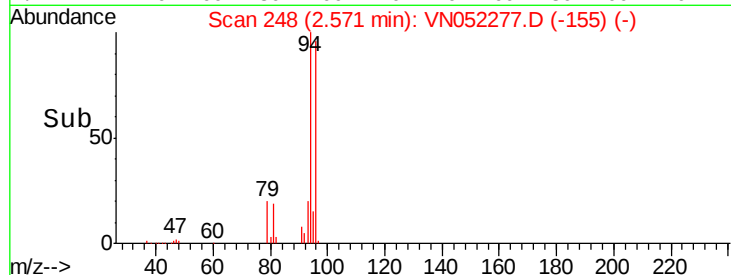
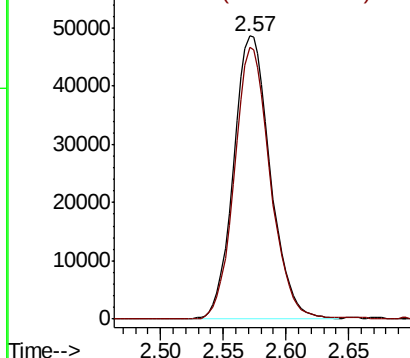
APPROVED

MMDadoda

11/14/2018 11:10:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.273 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052277.D

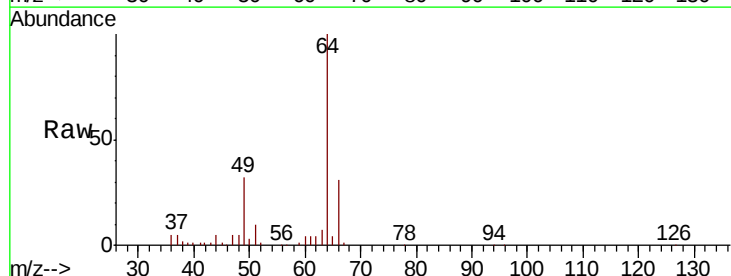
Acq: 13 Nov 2018 10:36

Tgt Ion: 64 Resp: 93505

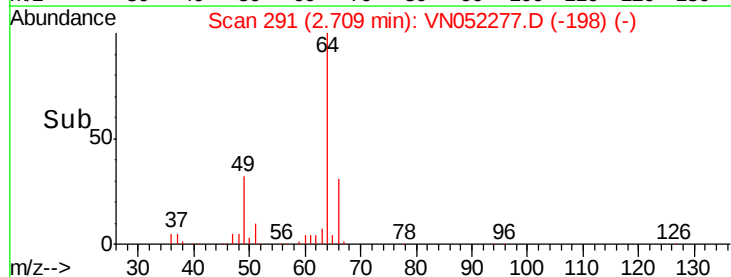
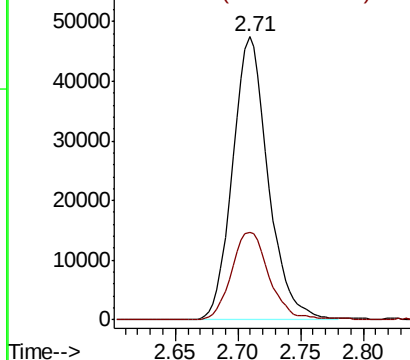
Ion Ratio Lower Upper

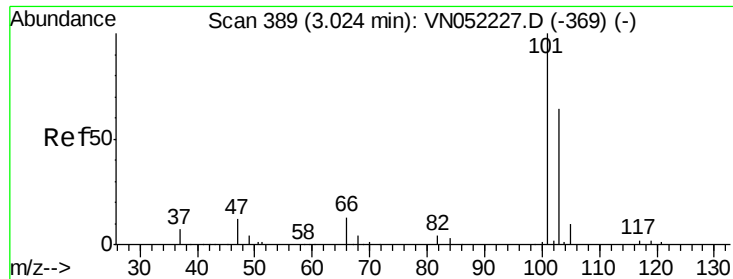
64 100

66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

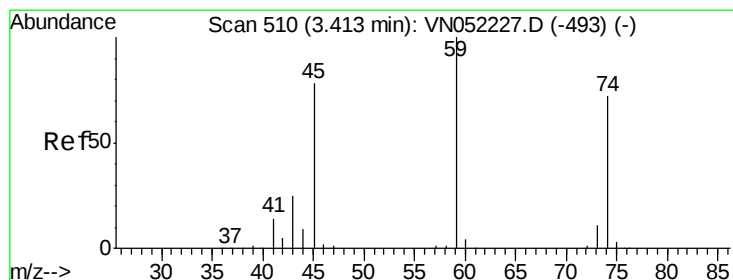
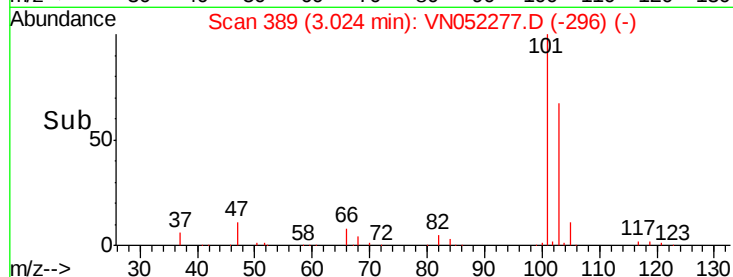
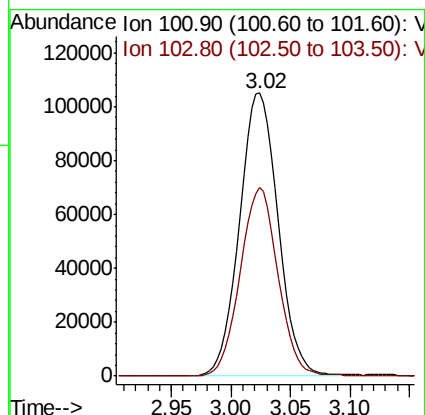
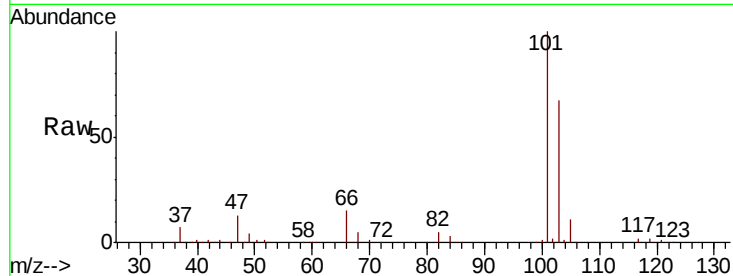
Trichlorofluoromethane
 Concen: 47.760 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.2	76.8

Manual Integrations
 APPROVED

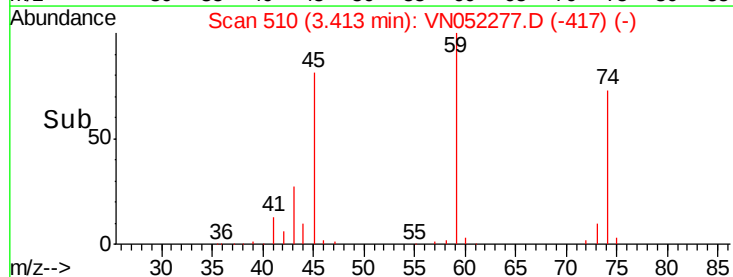
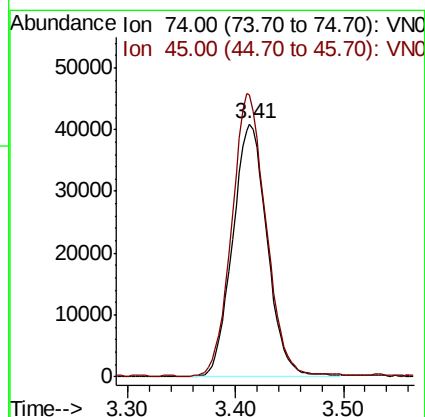
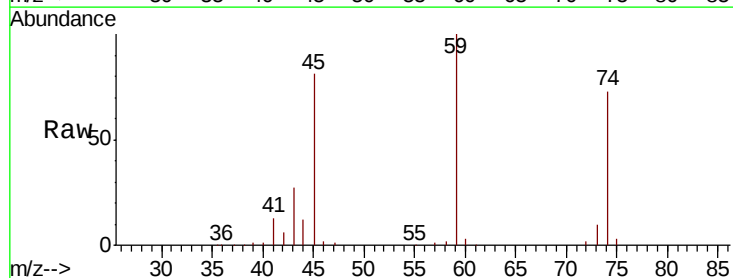
MMDadoda
 11/14/2018 11:10:03 AM

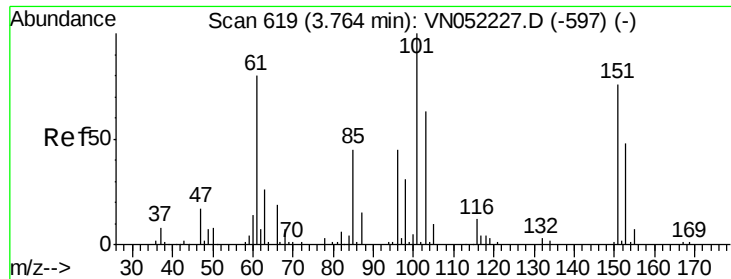


#8

Diethyl Ether
 Concen: 46.917 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	55.5	166.7





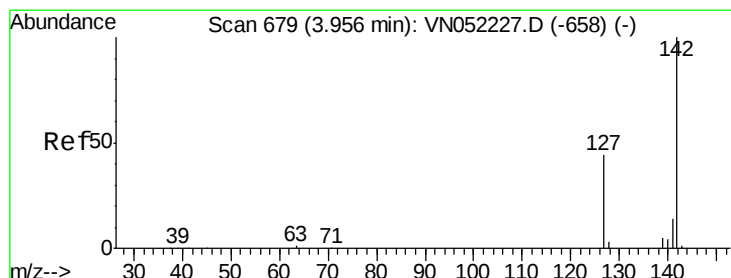
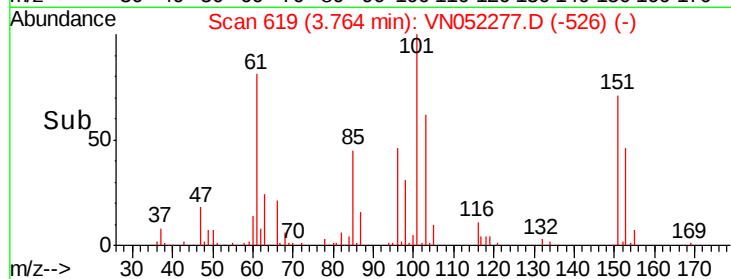
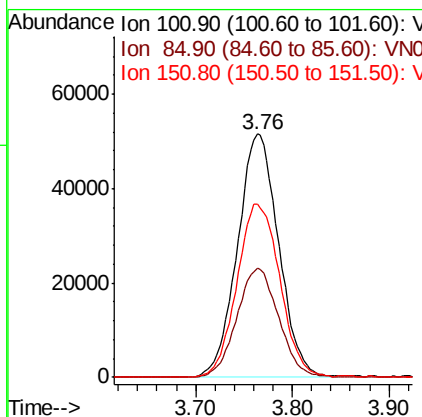
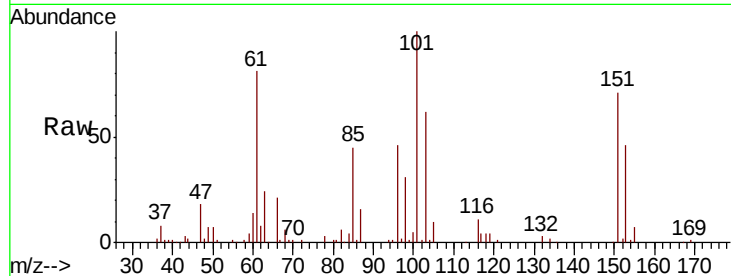
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.005 ug/l
RT: 3.76 min Scan# 619
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.2	54.4
151	74.2	59.2	88.8

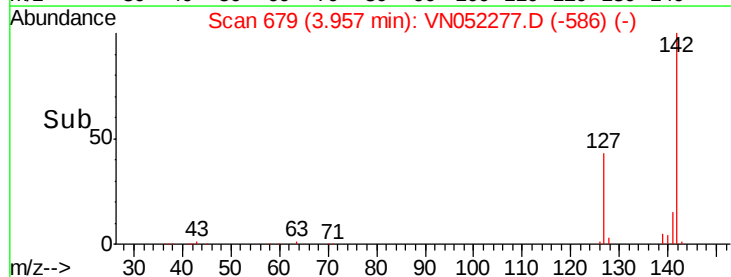
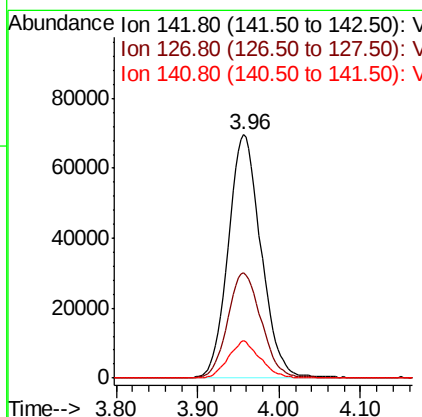
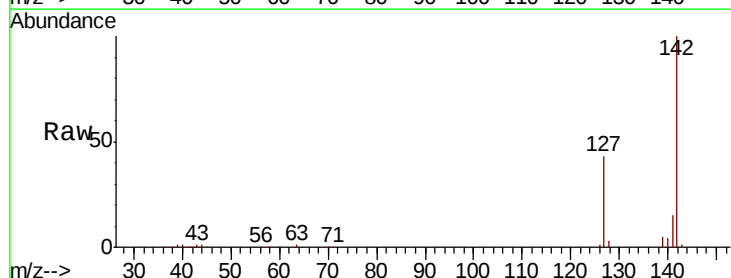
Manual Integrations
APPROVED

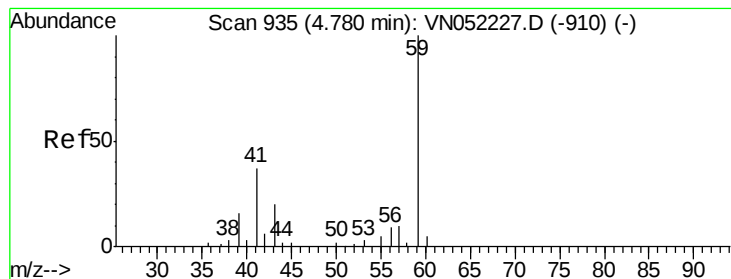
MMDadoda
11/14/2018 11:10:03 AM



#10
Methyl Iodide
Concen: 47.562 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	14.7	11.8	17.6





#11

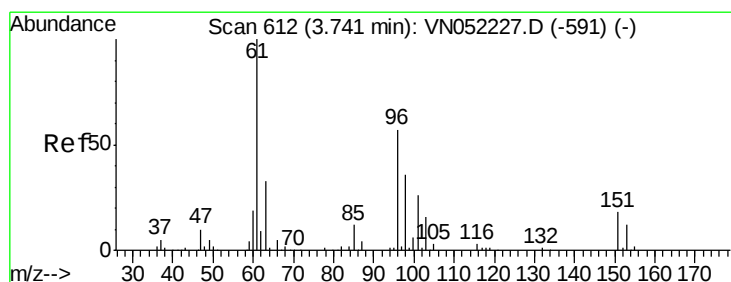
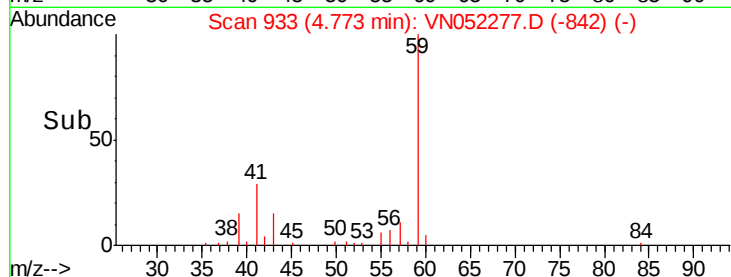
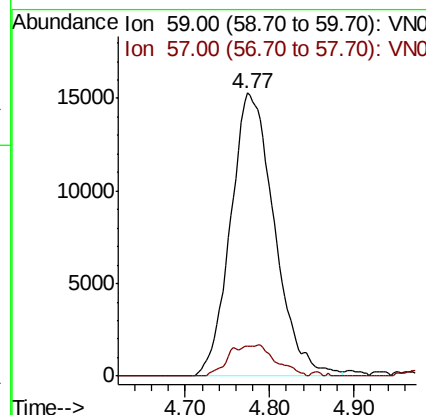
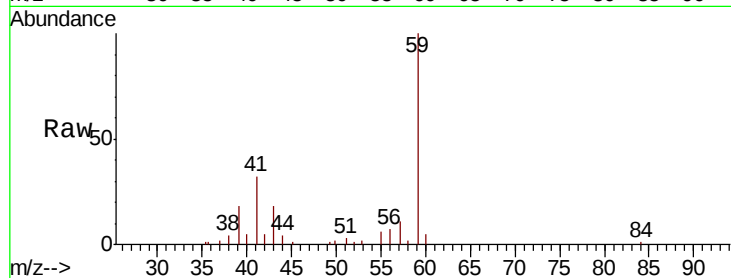
Tert butyl alcohol
Concen: 279.644 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	55133		
57	0.0	8.8	13.2#	

Manual Integrations
APPROVED

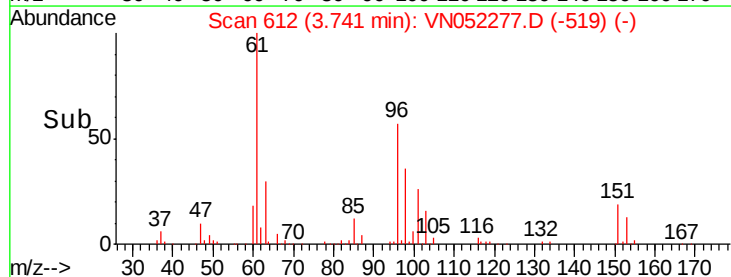
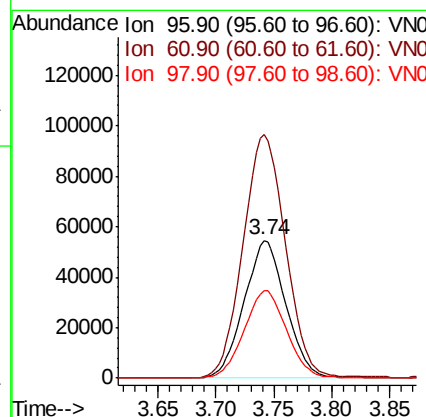
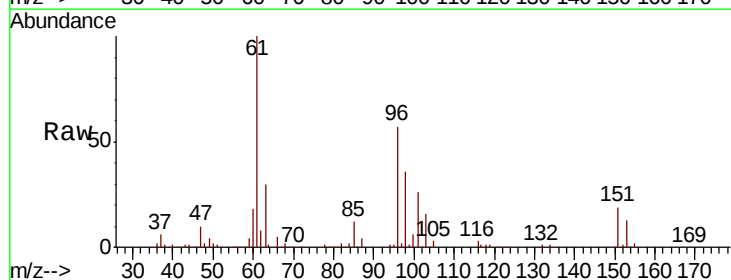
MMDadoda
11/14/2018 11:10:03 AM

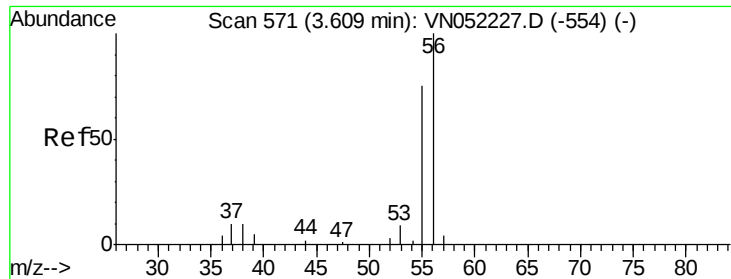


#12

1,1-Dichloroethene
Concen: 46.450 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	136573		
61	176.7	141.1	211.7	
98	63.3	50.3	75.5	





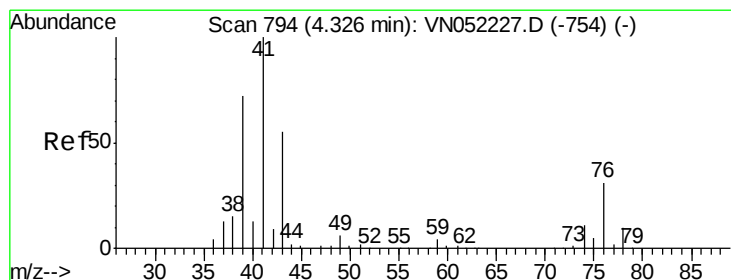
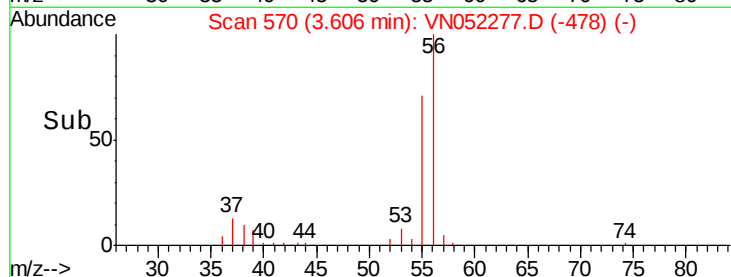
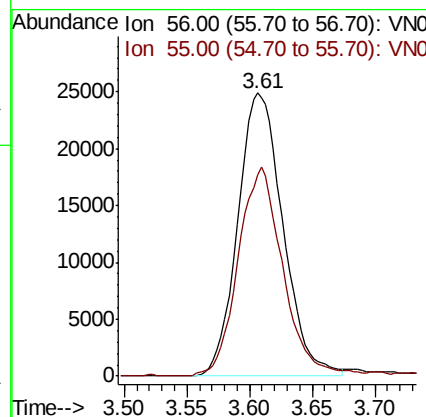
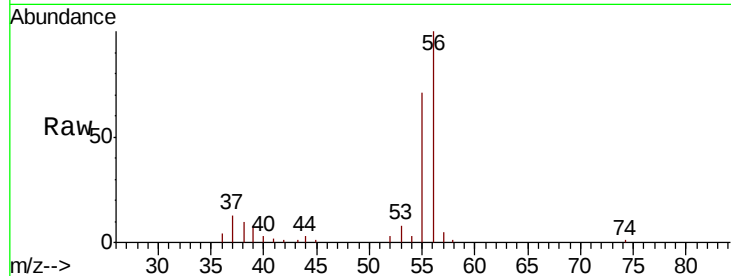
#13
Acrolein
Concen: 210.229 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	62399
Ion Ratio	100	Lower	Upper
56	100		
55	73.1	59.9	89.9

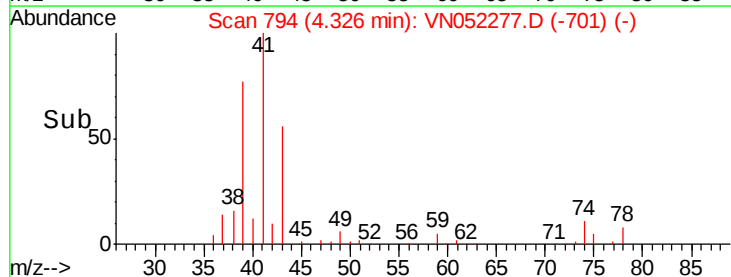
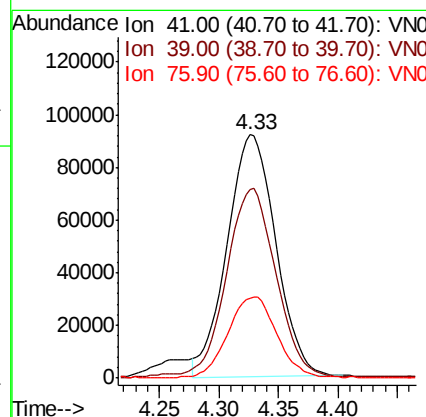
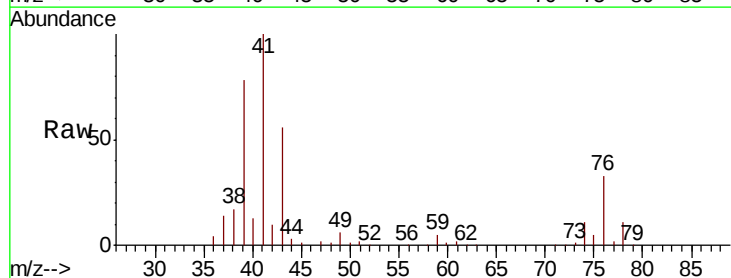
Manual Integrations
APPROVED

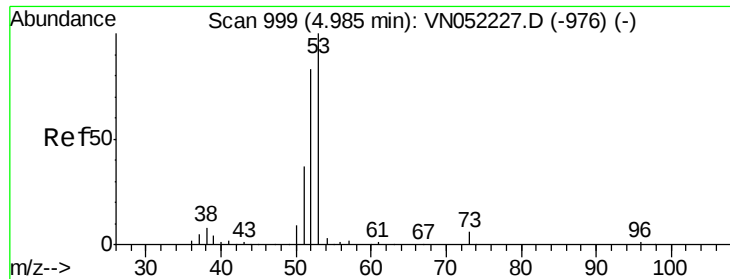
MMDadoda
11/14/2018 11:10:03 AM



#14
Allyl chloride
Concen: 42.320 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	41	Resp	260505
Ion Ratio	100	Lower	Upper
41	100		
39	81.2	55.1	82.7
76	33.2	23.6	35.4





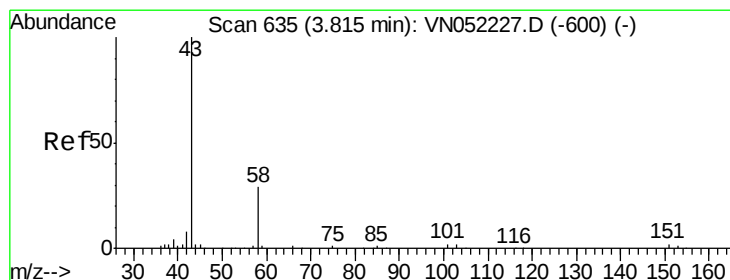
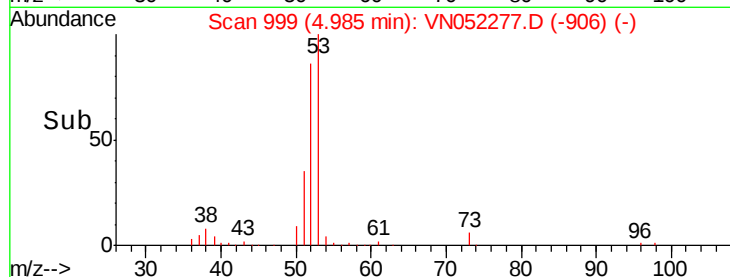
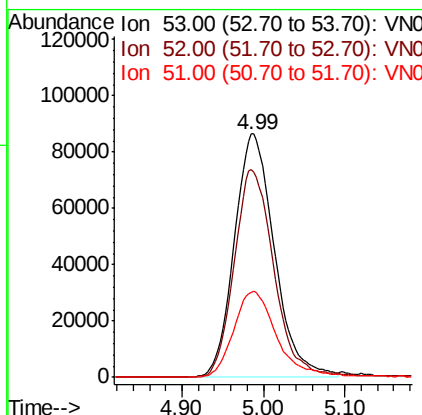
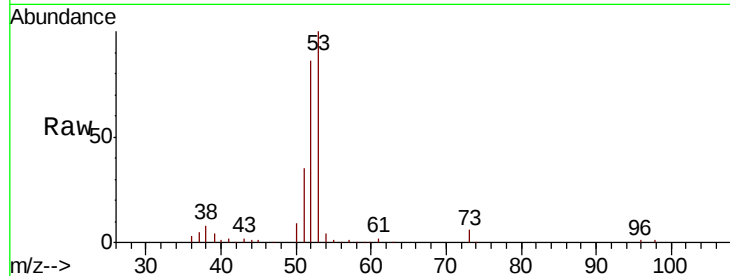
#15
 Acrylonitrile
 Concen: 244.402 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.7	100.1
51	37.9	29.4	44.0

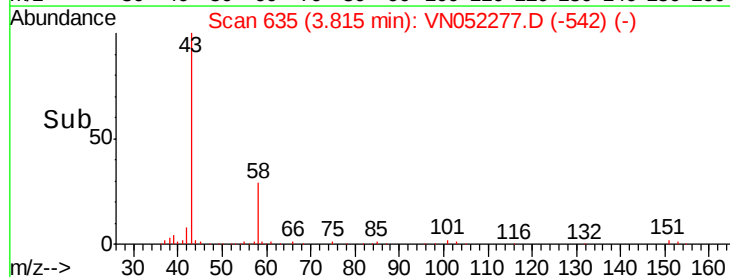
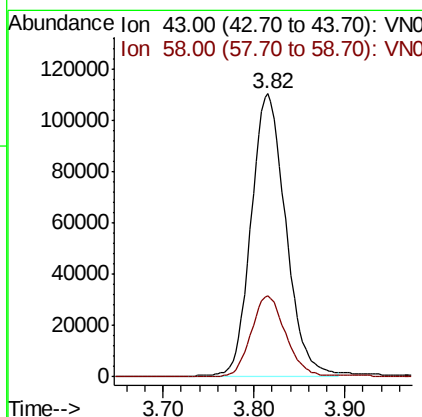
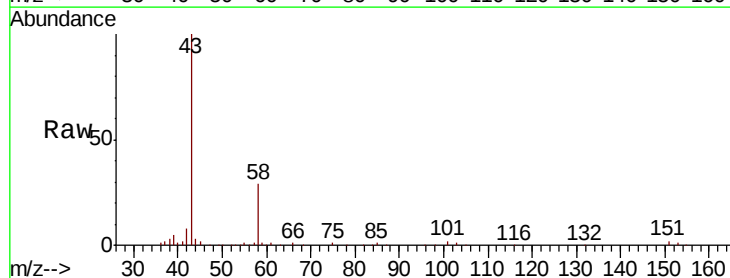
Manual Integrations
 APPROVED

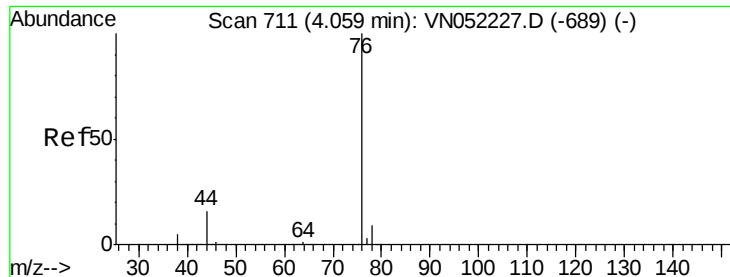
MMDadoda
 11/14/2018 11:10:03 AM



#16
 Acetone
 Concen: 304.681 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.0	34.6





#17

Carbon Disulfide

Concen: 47.283 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 403276

Ion Ratio Lower Upper

76 100

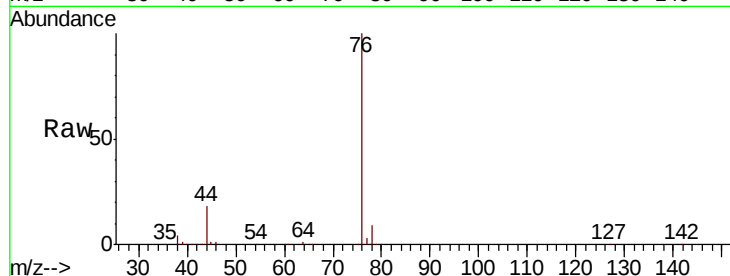
78 8.7 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

11/14/2018 11:10:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

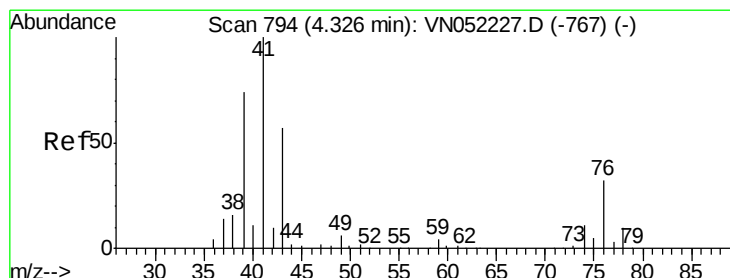
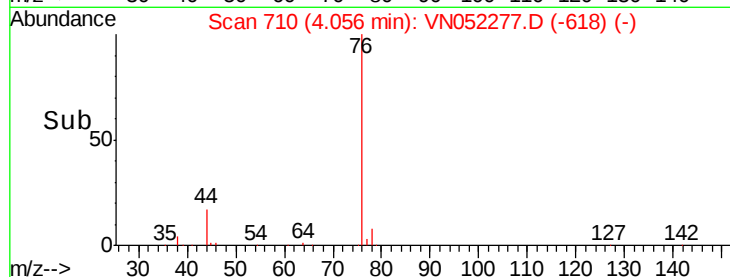
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.916 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052277.D

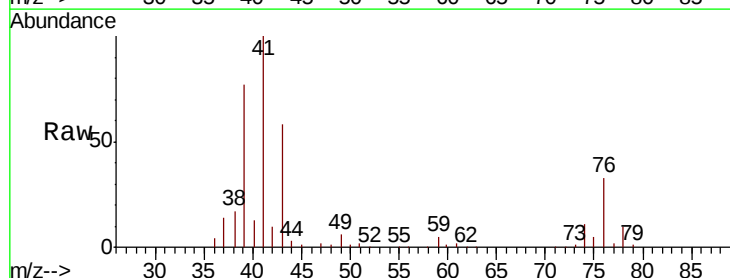
Acq: 13 Nov 2018 10:36

Tgt Ion: 43 Resp: 150782

Ion Ratio Lower Upper

43 100

74 19.7 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

60000

50000

40000

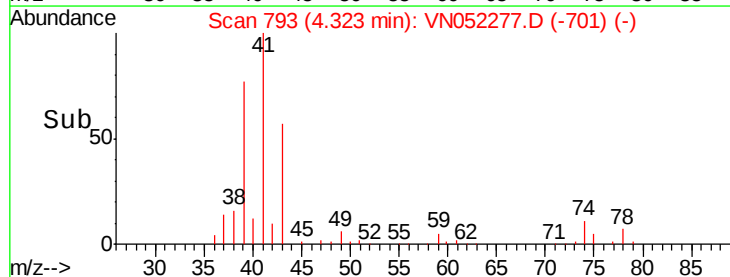
30000

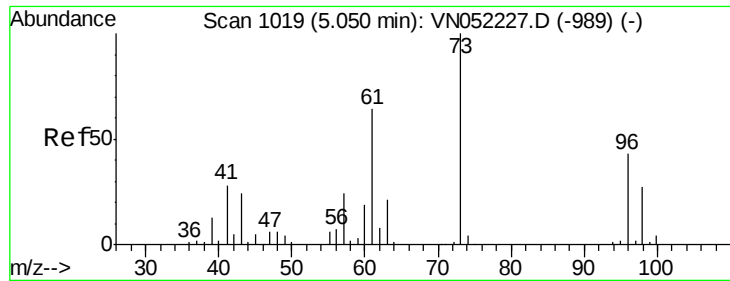
20000

10000

0

Time-->





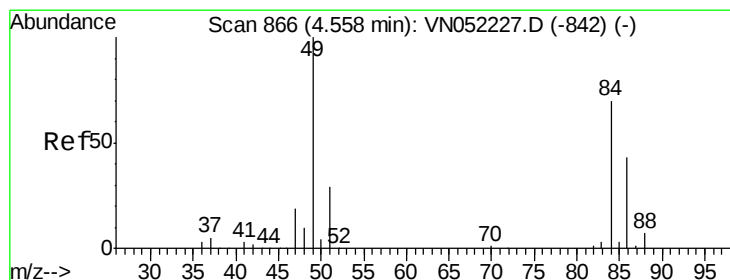
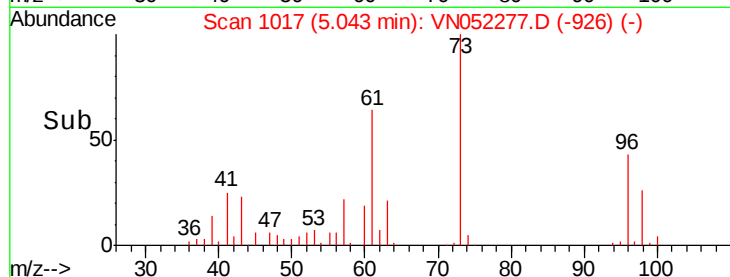
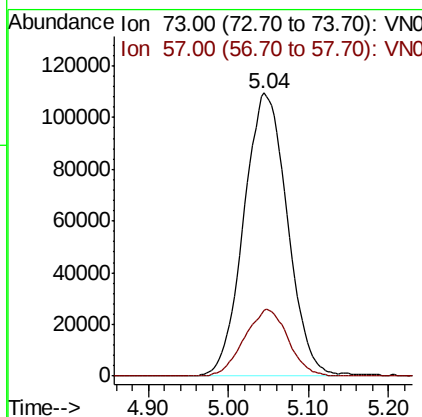
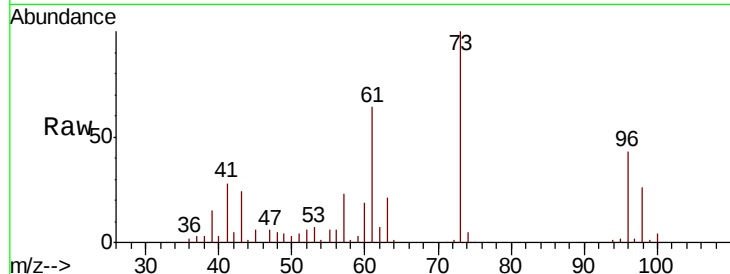
#19
Methyl tert-butyl Ether
Concen: 48.476 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.1	28.7

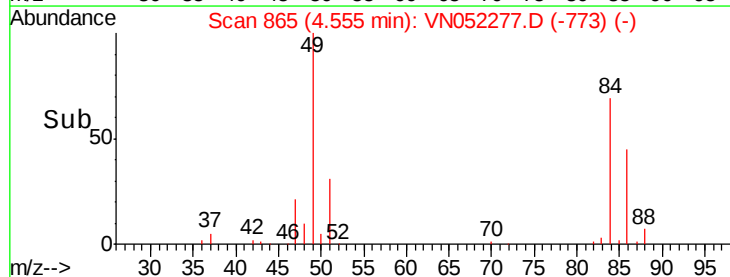
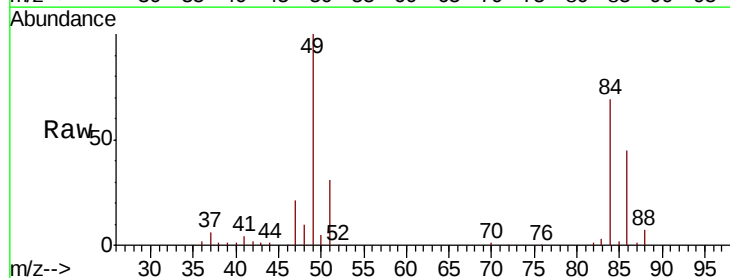
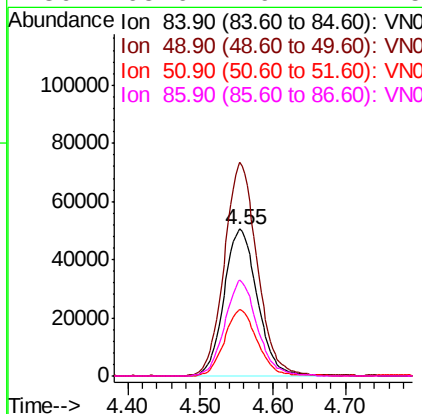
Manual Integrations
APPROVED

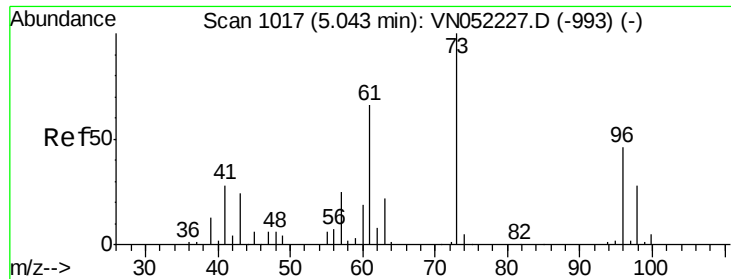
MMDadoda
11/14/2018 11:10:03 AM



#20
Methylene Chloride
Concen: 46.072 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.8	114.8	172.2
51	45.0	33.1	49.7
86	65.6	49.7	74.5





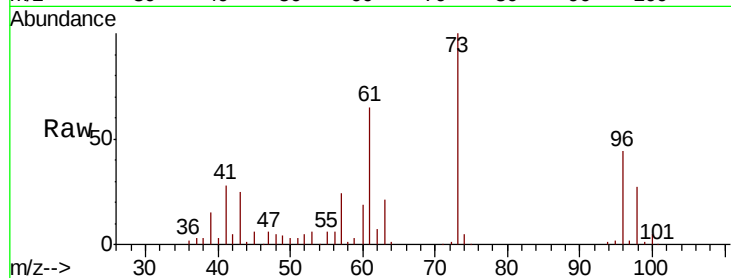
#21
trans-1,2-Dichloroethene
Concen: 46.828 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	115.3	172.9
98	60.5	49.5	74.3

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM

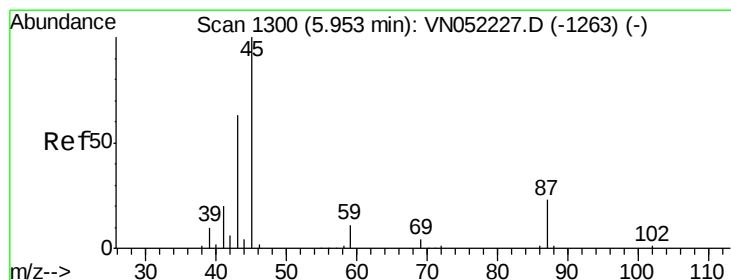
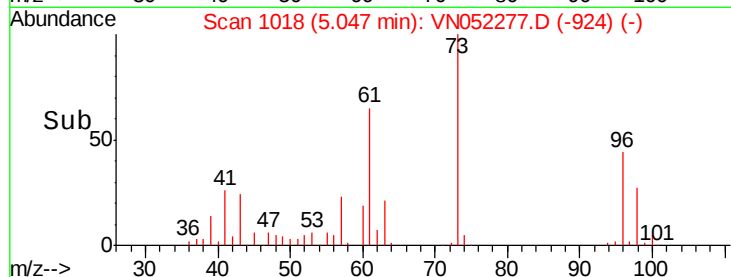
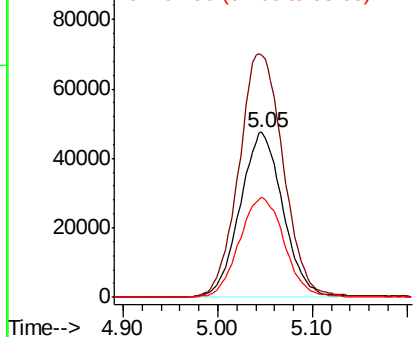


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 47.401 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	50.6	76.0
87	23.9	19.0	28.4
59	10.3	8.6	13.0

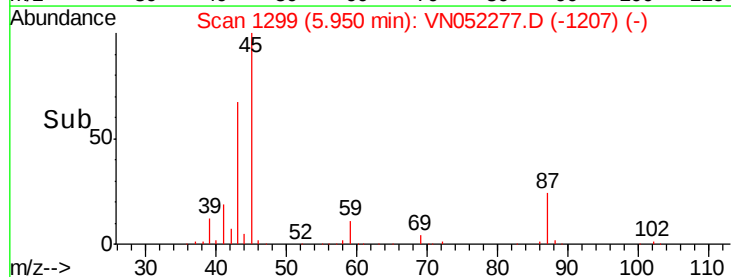
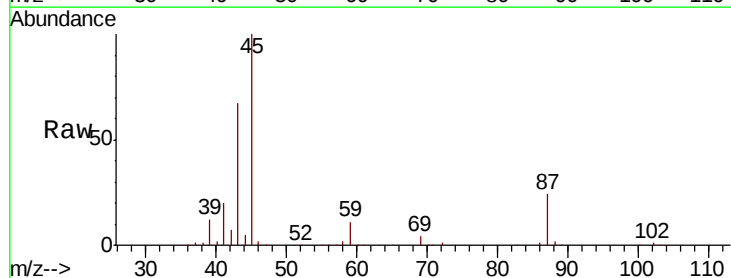
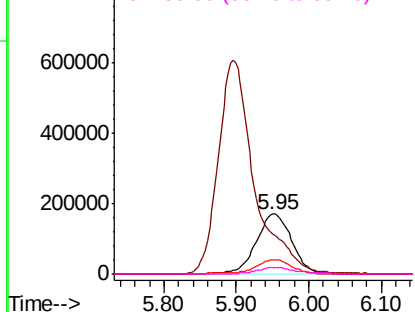
Abundance

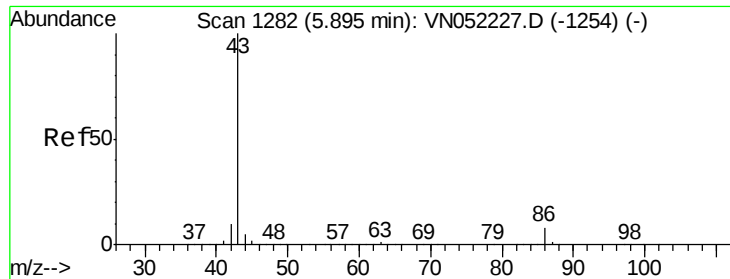
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 248.942 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2107891

Ion Ratio Lower Upper

43 100

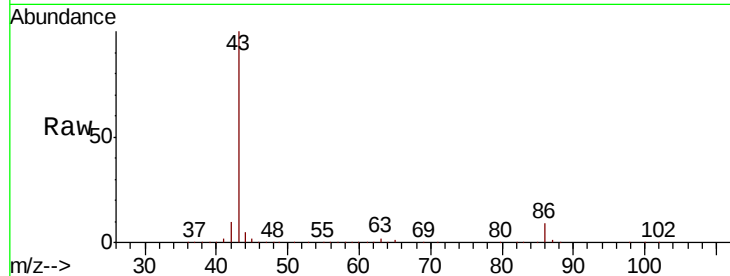
86 8.7 6.7 10.1

Manual Integrations

APPROVED

MMDadoda

11/14/2018 11:10:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

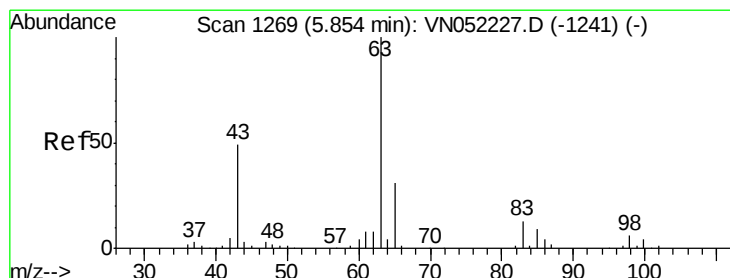
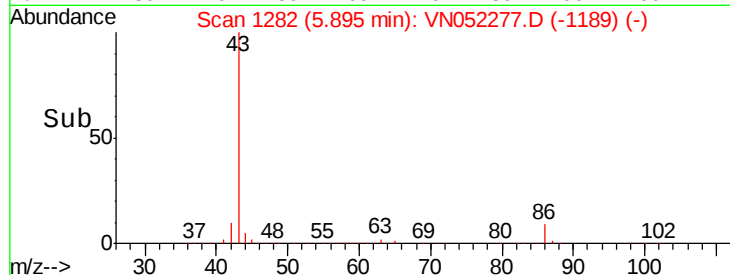
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.614 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

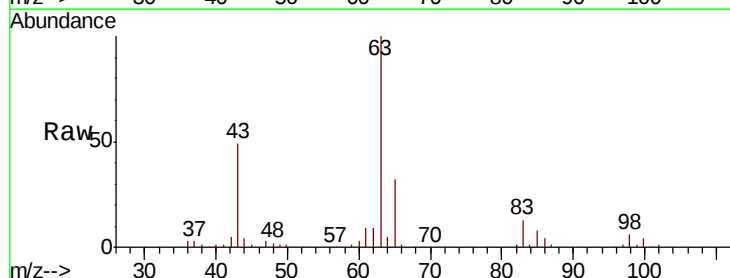
Tgt Ion: 63 Resp: 303821

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

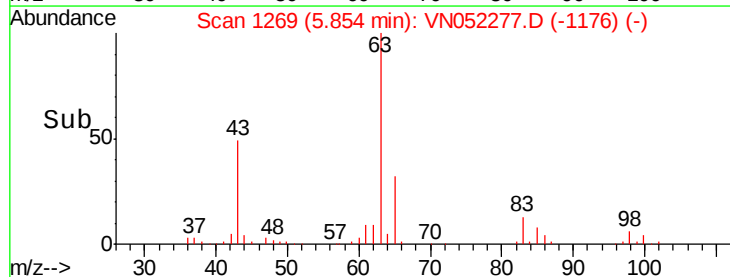
60000

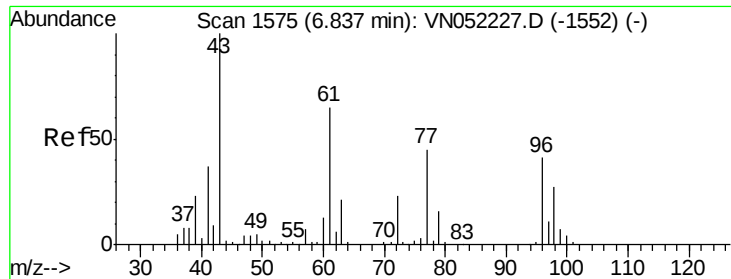
40000

20000

0

Time-->





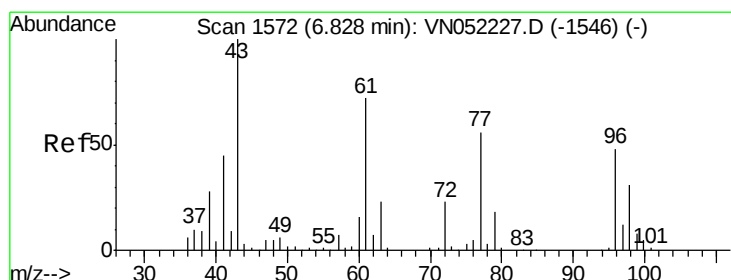
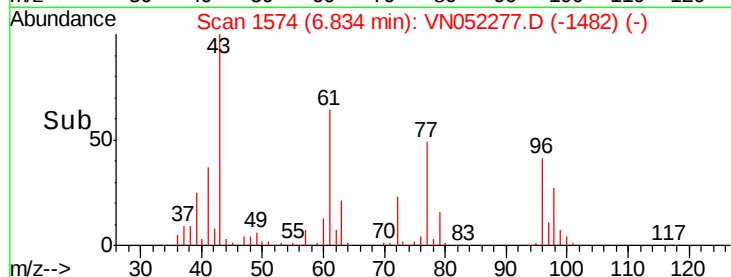
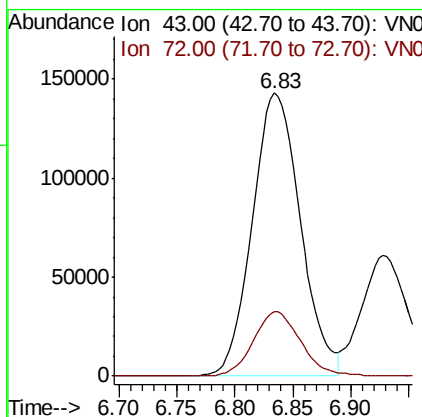
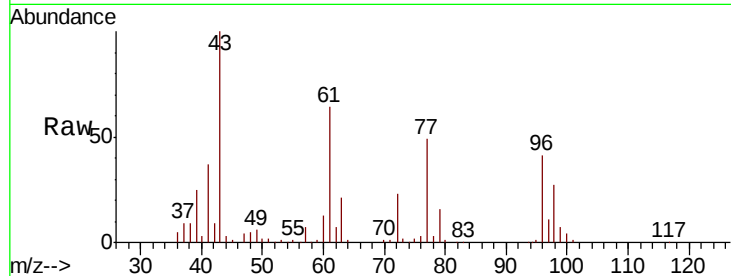
#25
2-Butanone
Concen: 250.890 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 411647
Ion Ratio Lower Upper
43 100
72 22.7 18.6 27.8

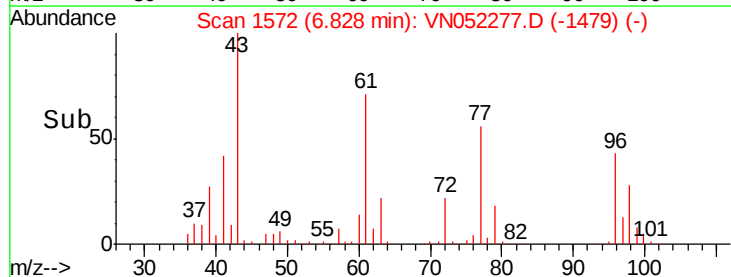
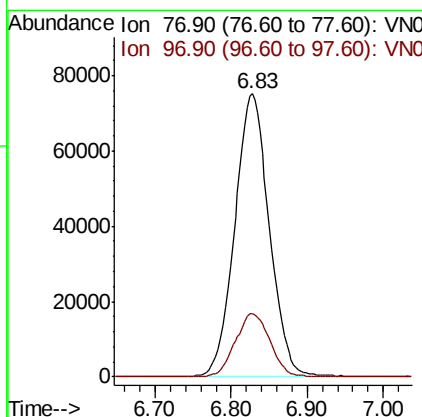
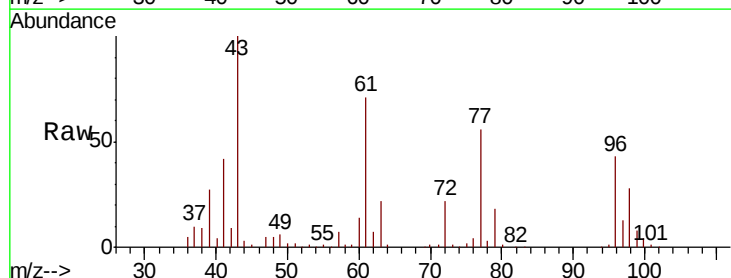
Manual Integrations
APPROVED

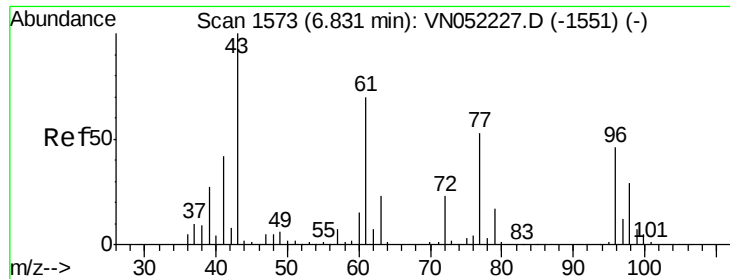
MMDadoda
11/14/2018 11:10:03 AM



#26
2,2-Dichloropropane
Concen: 49.708 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion: 77 Resp: 236631
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.5





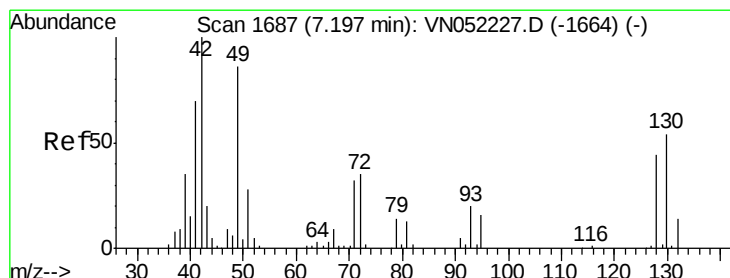
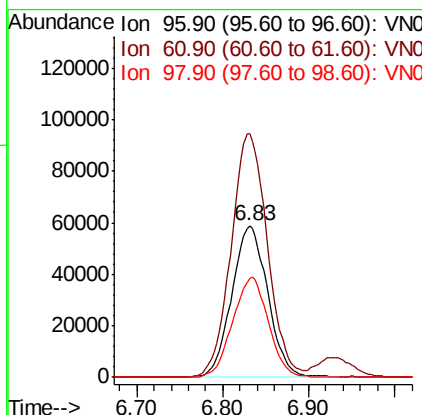
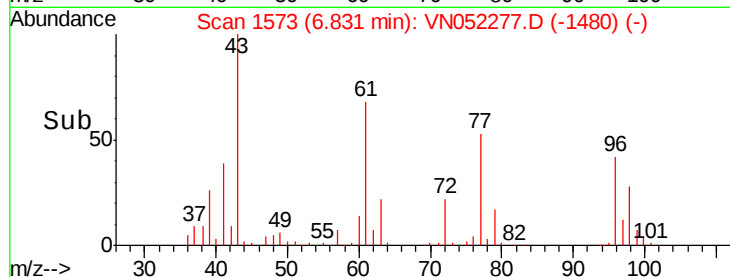
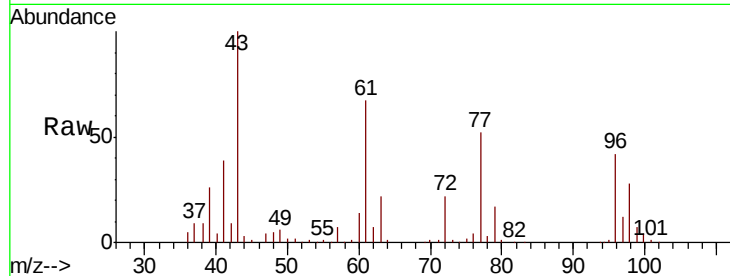
#27
 cis-1,2-Dichloroethene
 Concen: 47.886 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171286		
61	161.7	0.0	313.4	
98	65.2	0.0	129.8	

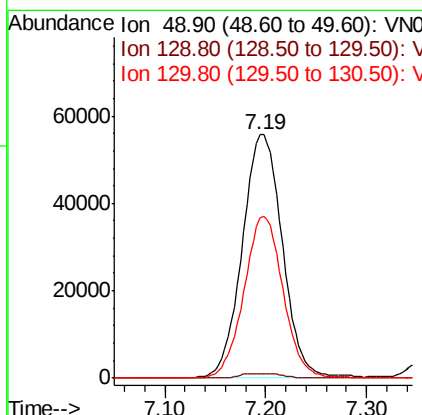
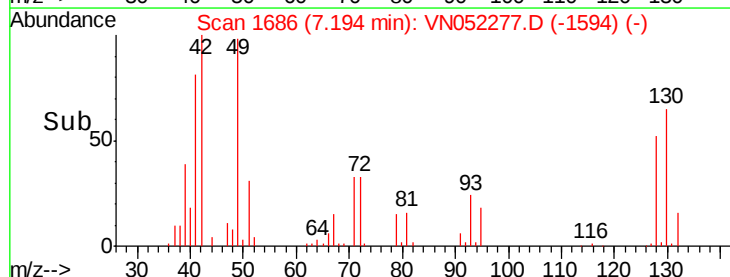
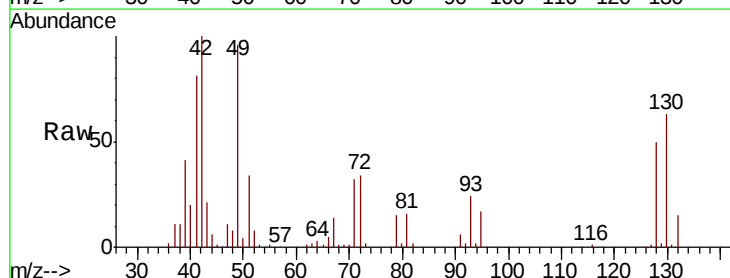
Manual Integrations
 APPROVED

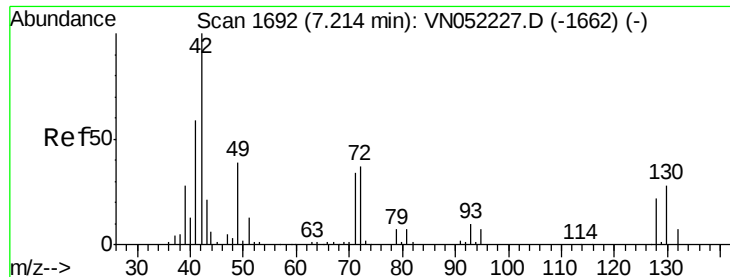
MMDadoda
 11/14/2018 11:10:03 AM



#28
 Bromochloromethane
 Concen: 47.707 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153644		
129	1.0	0.0	3.8	
130	64.7	51.4	77.2	





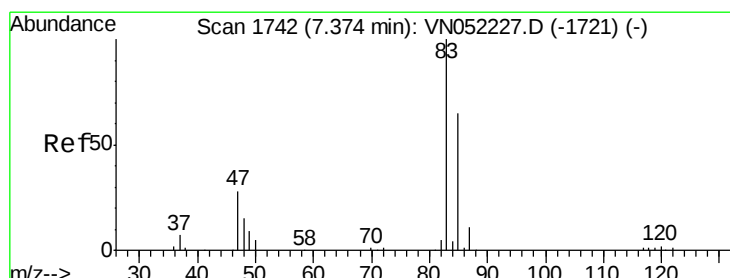
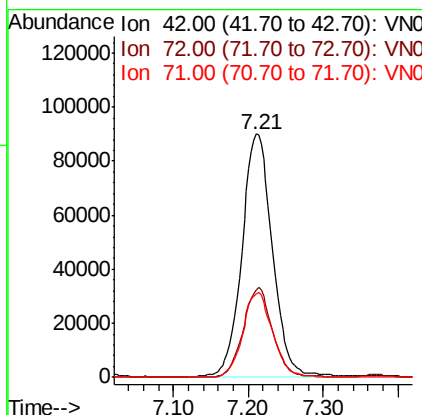
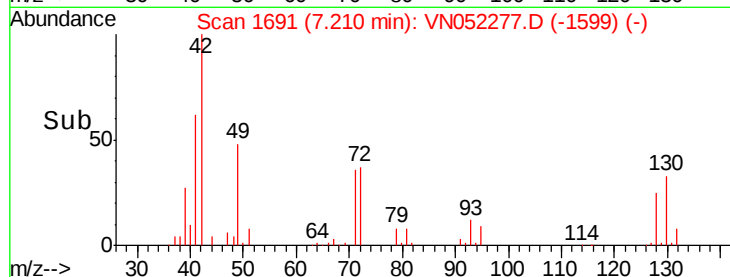
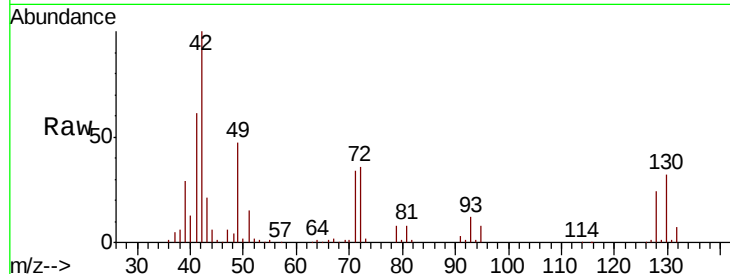
#29
Tetrahydrofuran
Concen: 238.158 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.6	43.0
71	34.2	27.1	40.7

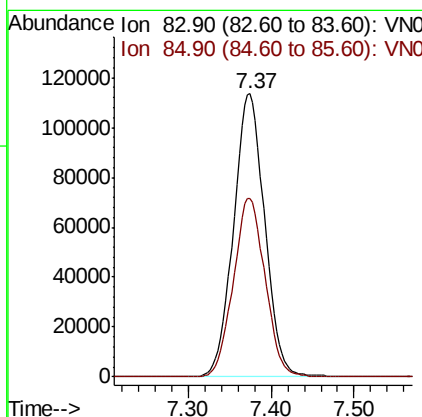
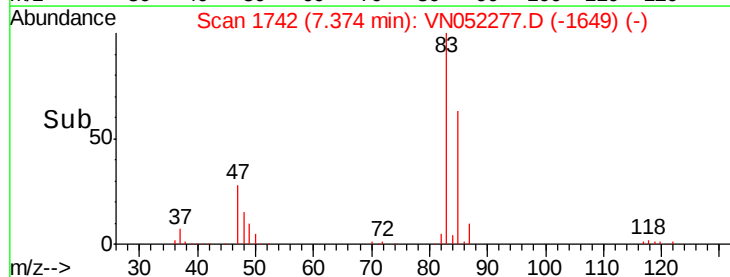
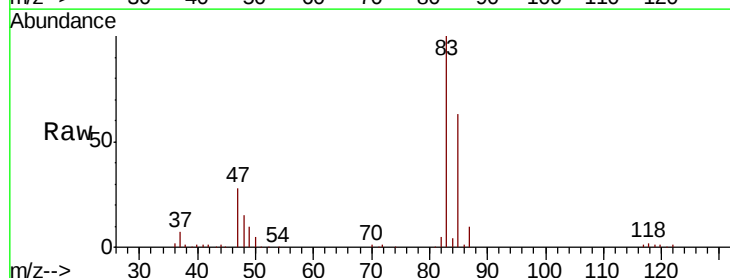
Manual Integrations
APPROVED

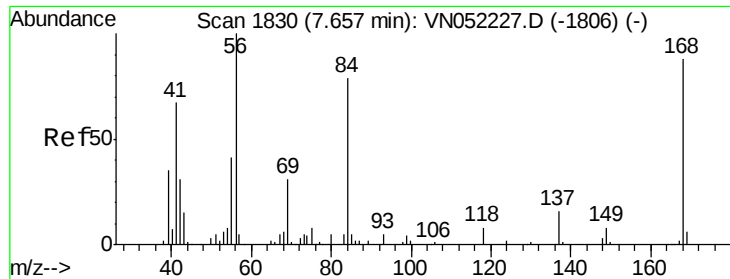
MMDadoda
11/14/2018 11:10:03 AM



#30
Chloroform
Concen: 48.192 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





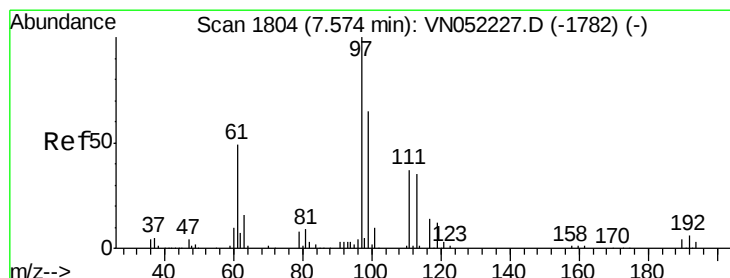
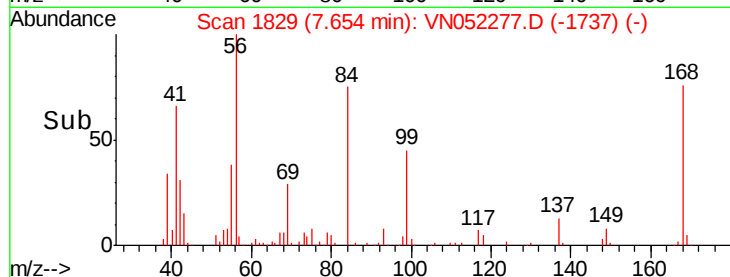
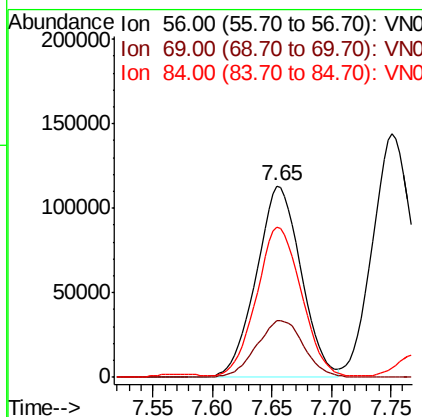
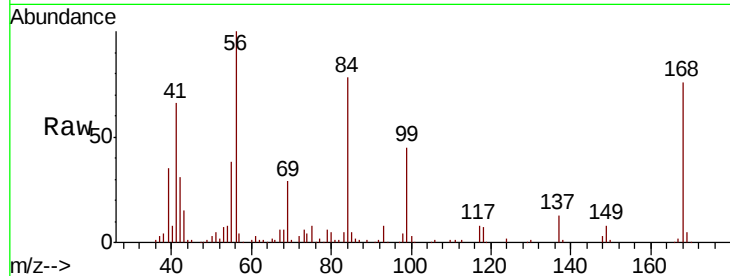
#31
Cyclohexane
Concen: 49.033 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	295694
Ion Ratio	Lower	Upper	
56	100		
69	29.4	24.8	37.2
84	76.8	63.1	94.7

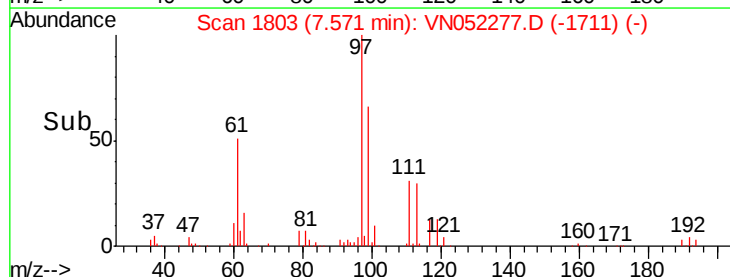
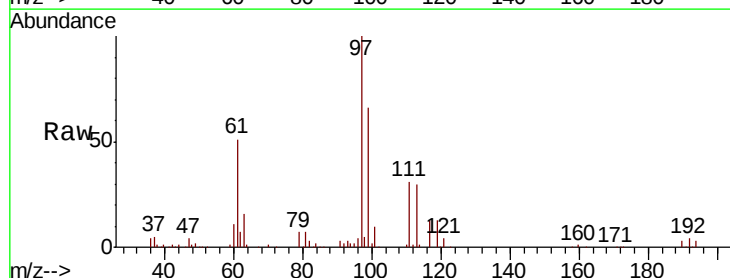
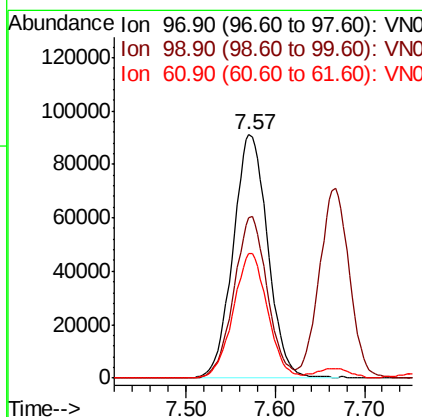
Manual Integrations
APPROVED

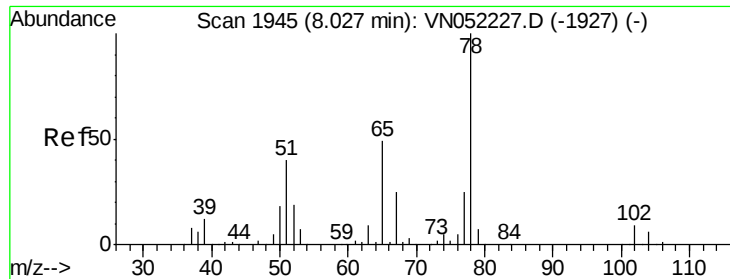
MMDadoda
11/14/2018 11:10:03 AM



#32
1,1,1-Trichloroethane
Concen: 48.872 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	97	Resp	245718
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.9	77.9
61	50.8	40.2	60.4





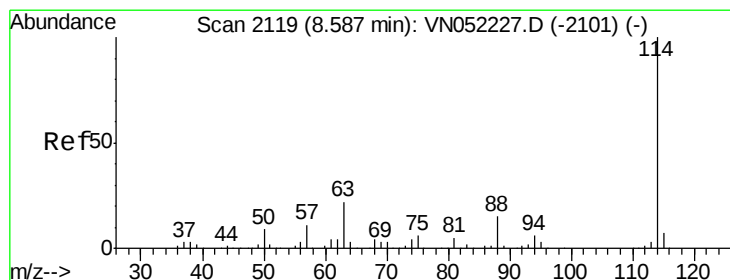
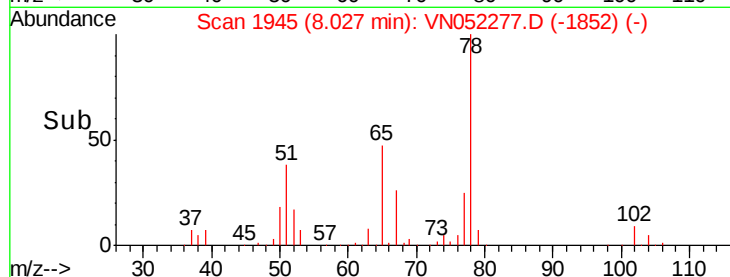
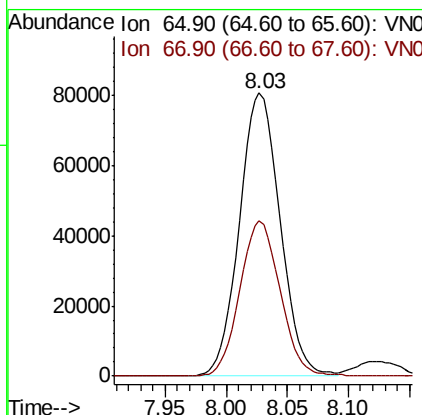
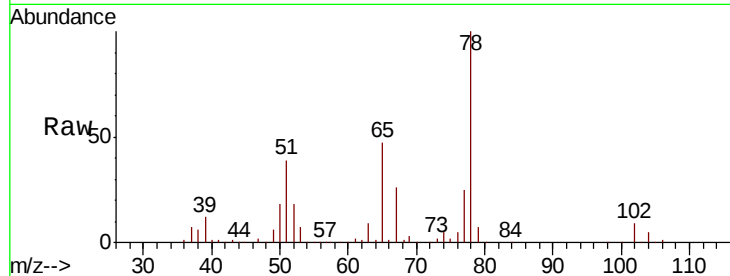
#33
 1,2-Dichloroethane-d4
 Concen: 48.872 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186378		
67	54.2	0.0	106.6	

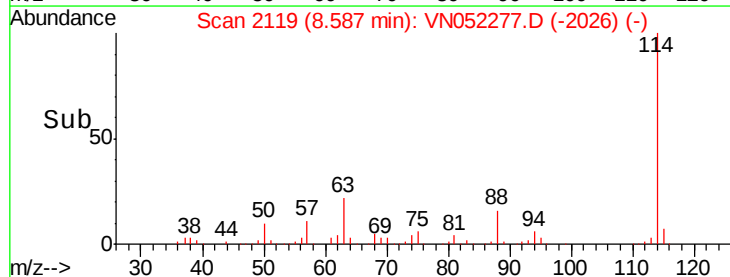
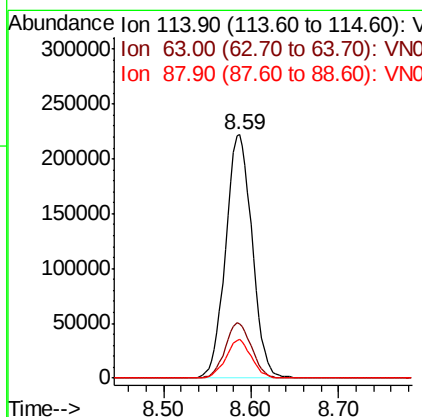
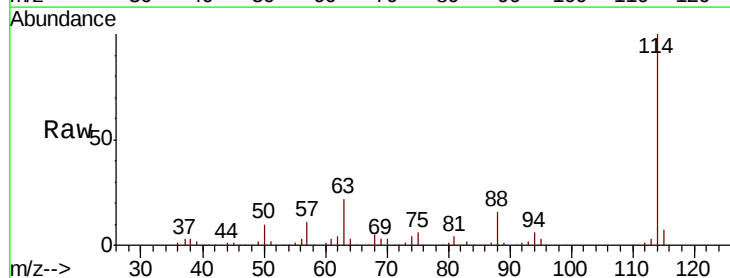
Manual Integrations
 APPROVED

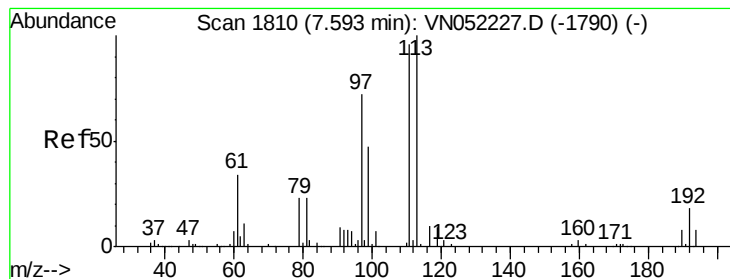
MMDadoda
 11/14/2018 11:10:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	465122		
63	22.5	0.0	43.4	
88	15.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

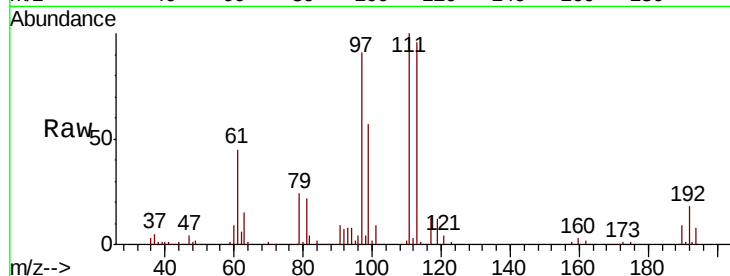
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	148049
Ion Ratio	Lower	Upper	
113	100		
111	106.1	80.2	120.4
192	18.1	14.1	21.1

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM

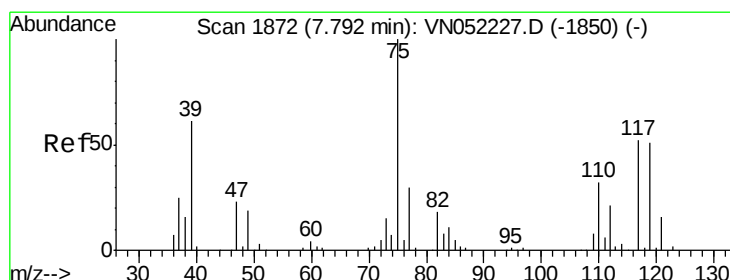
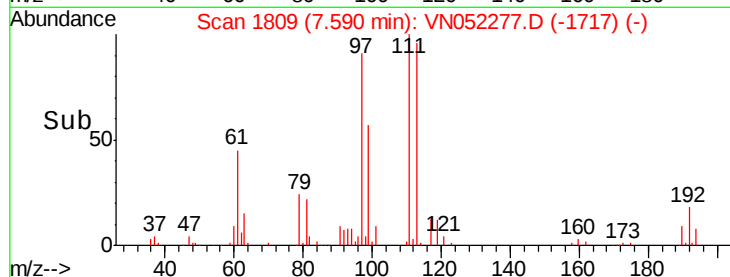
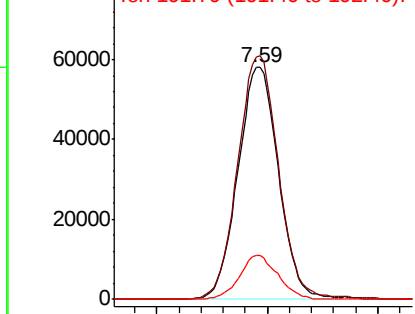


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.454 ug/l

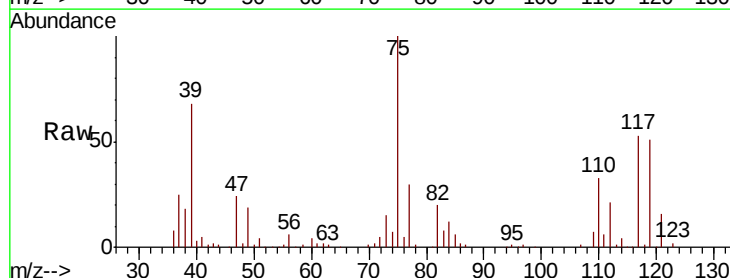
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Tgt Ion:	75	Resp:	232173
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.4	49.4
77	30.5	23.9	35.9

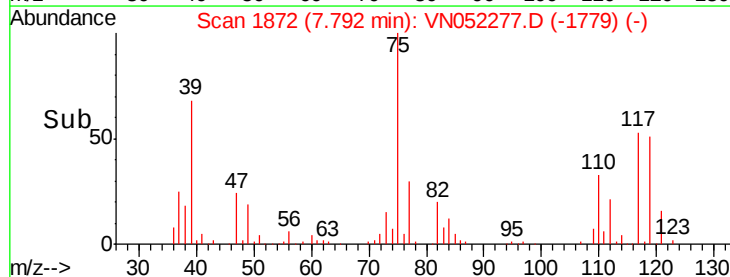
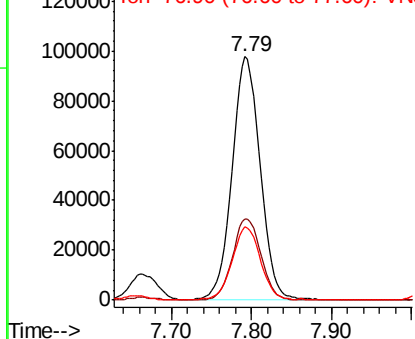


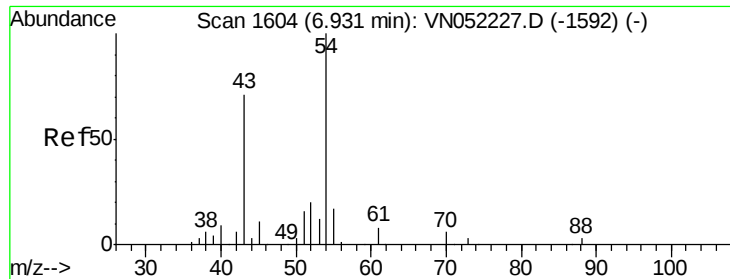
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





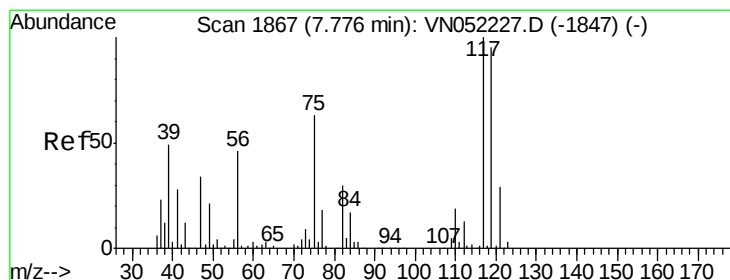
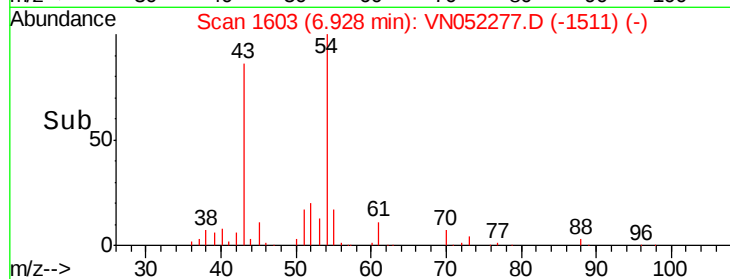
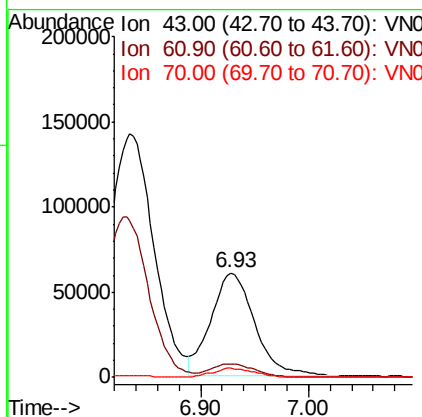
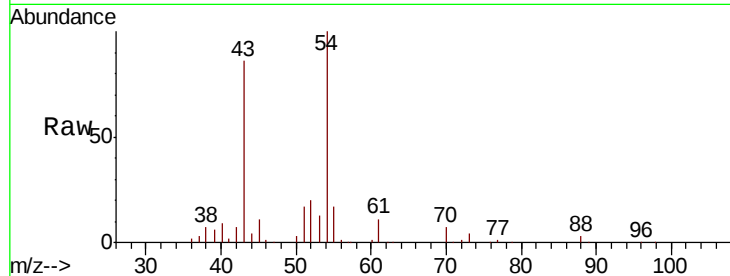
#37
Ethyl Acetate
Concen: 48.494 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.0	15.0
70	8.7	6.9	10.3

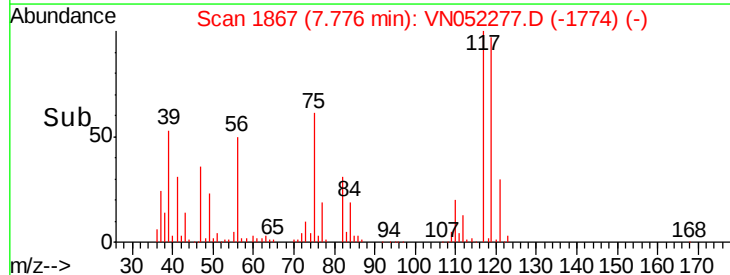
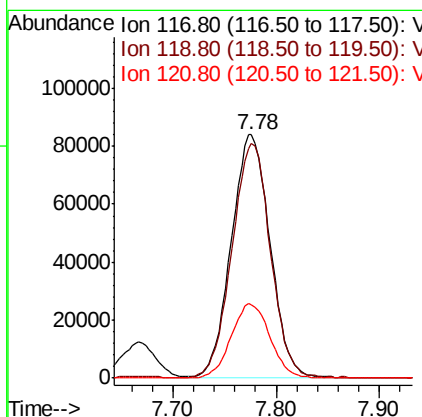
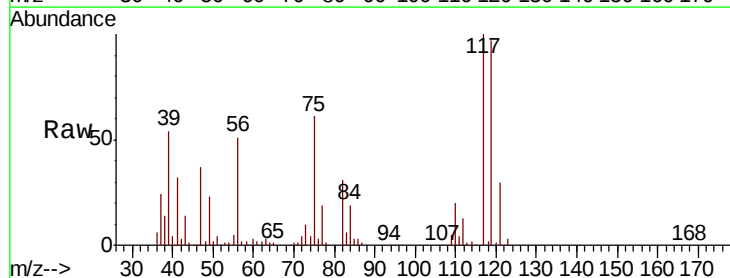
Manual Integrations
APPROVED

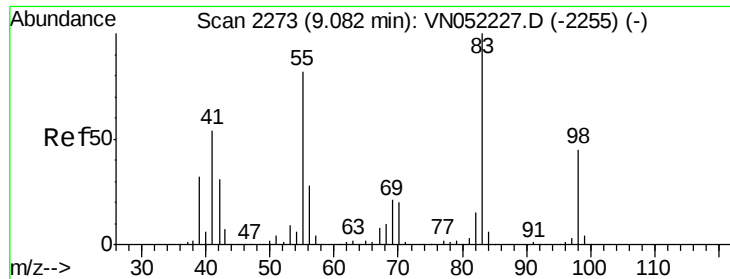
MMDadoda
11/14/2018 11:10:03 AM



#38
Carbon Tetrachloride
Concen: 51.357 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
121	30.4	23.4	35.2





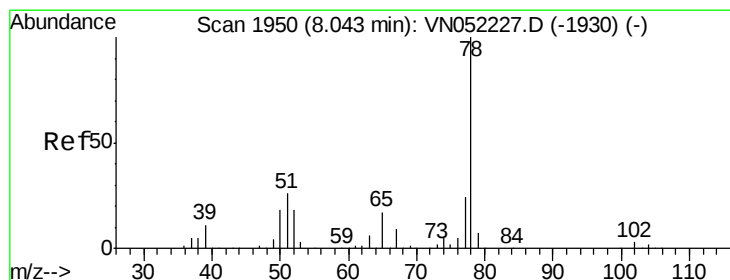
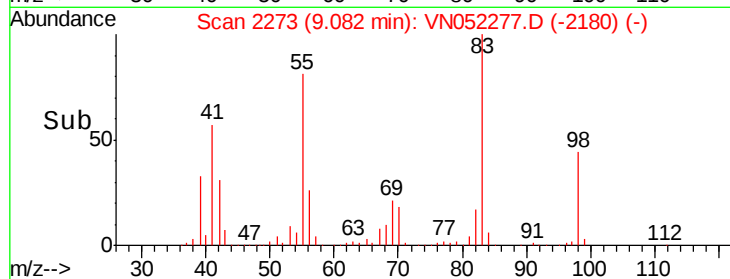
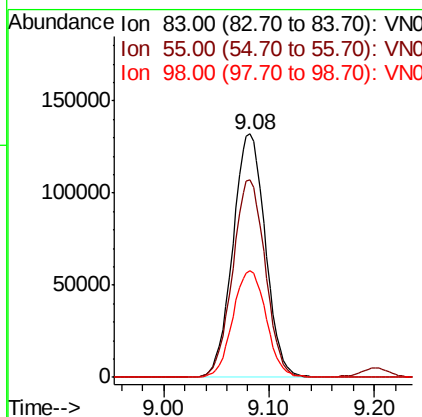
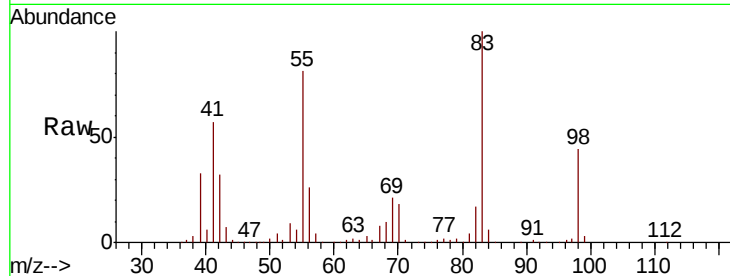
#39
Methvlcvclohexane
Concen: 52.699 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	282195		
55	81.0		65.2	97.8
98	44.0		36.3	54.5

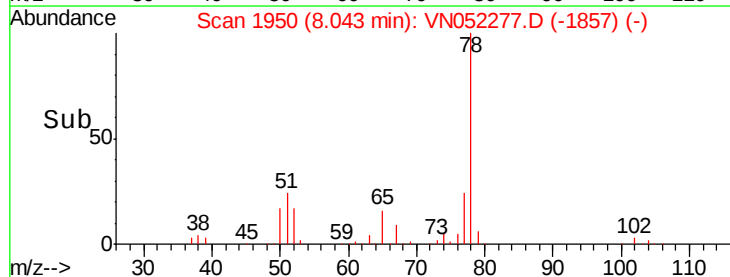
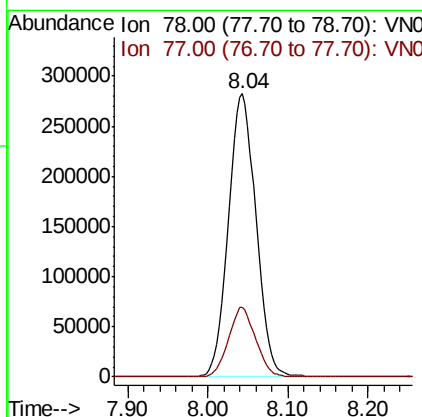
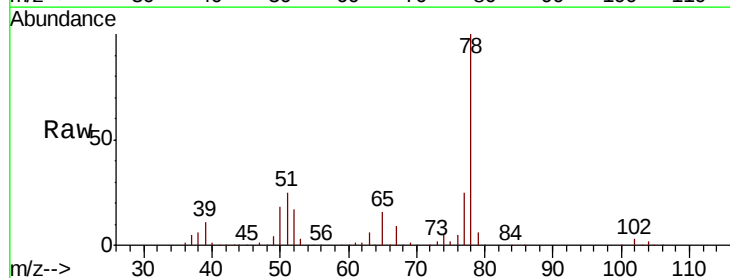
Manual Integrations
APPROVED

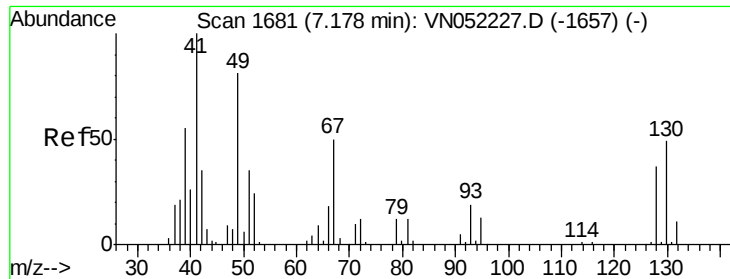
MMDadoda
11/14/2018 11:10:03 AM



#40
Benzene
Concen: 49.252 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	662019		
77	24.6		19.2	28.8





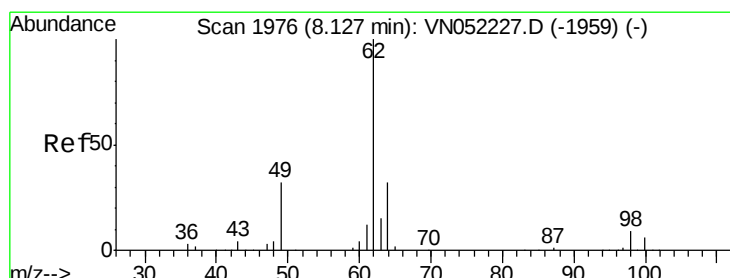
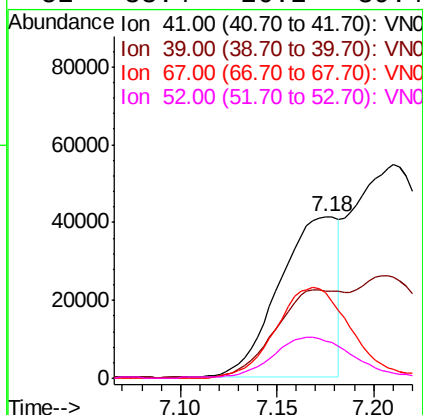
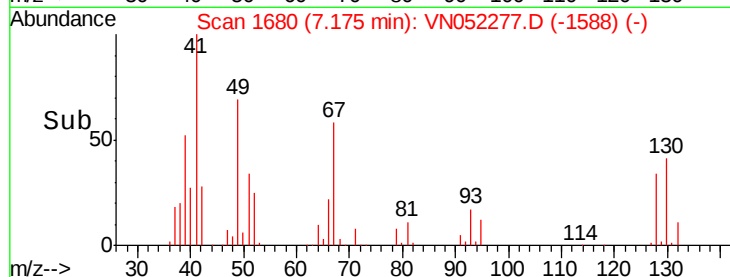
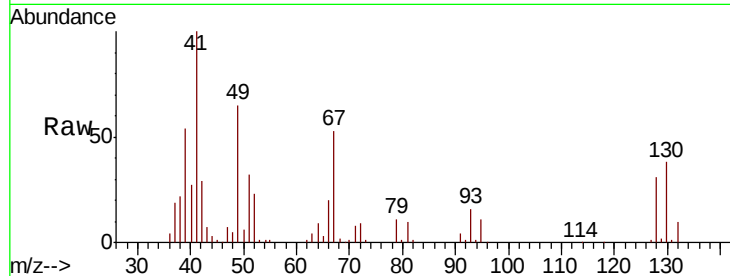
#41
Methacrylonitrile
Concen: 42.534 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.1	47.8	71.6
67	73.4	54.3	81.5
52	33.4	26.2	39.4

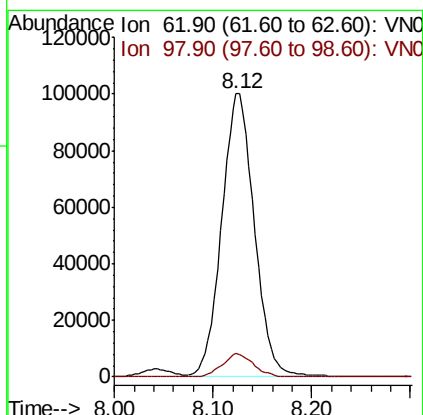
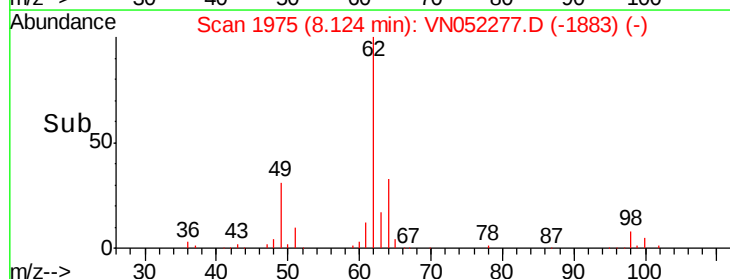
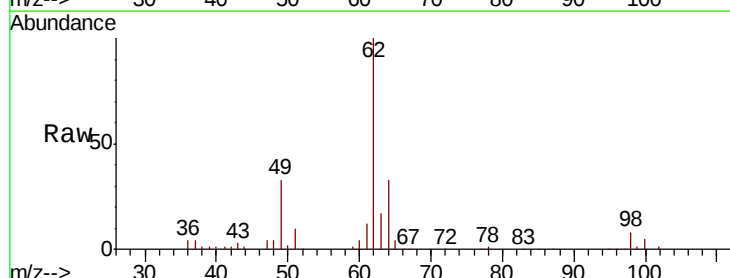
Manual Integrations
APPROVED

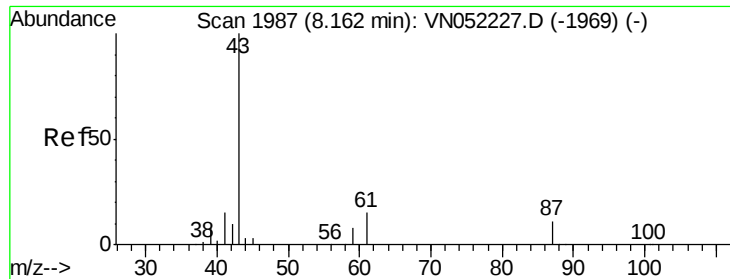
MMDadoda
11/14/2018 11:10:03 AM



#42
1,2-Dichloroethane
Concen: 48.849 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4





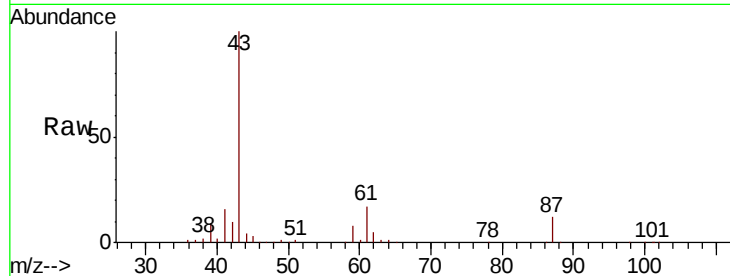
#43
Isopropyl Acetate
Concen: 50.590 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

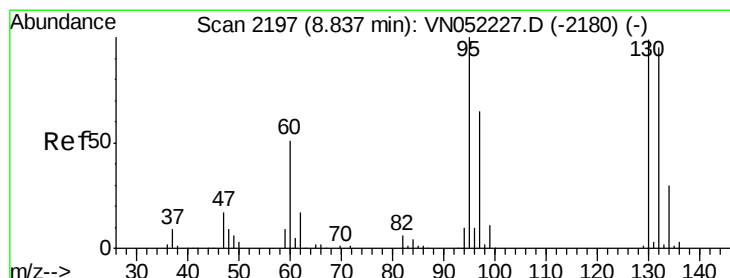
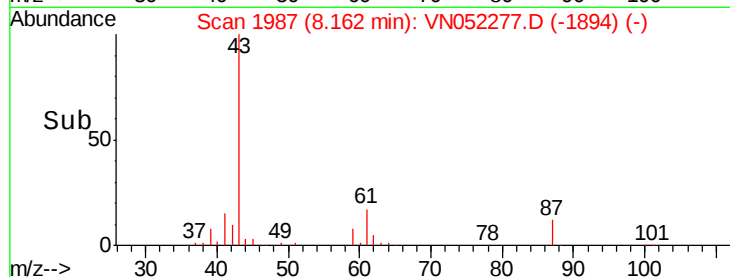
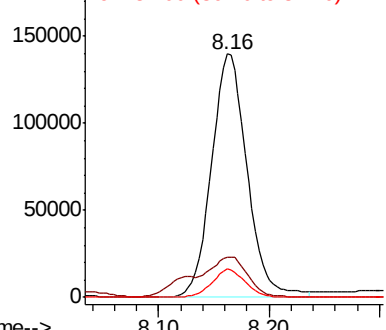
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.4
87	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM

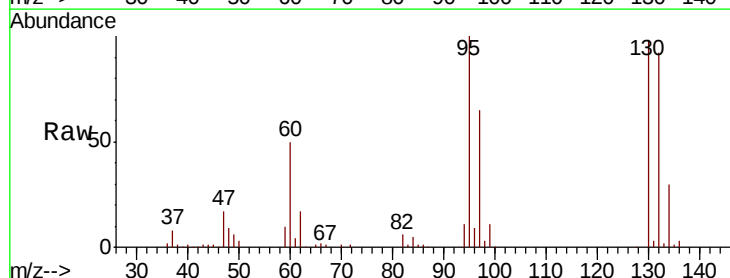


Abundance Ion 43.00 (42.70 to 43.70): VN052277.D (-1969) (-)

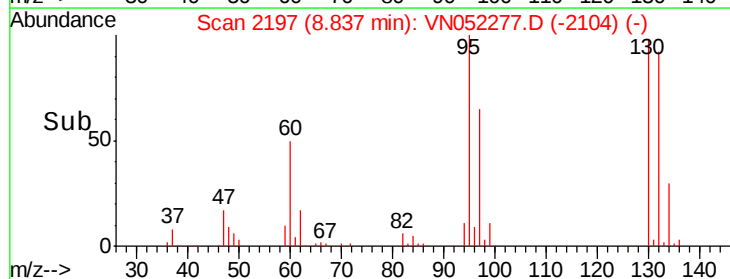
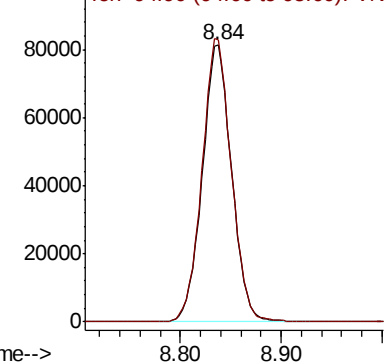


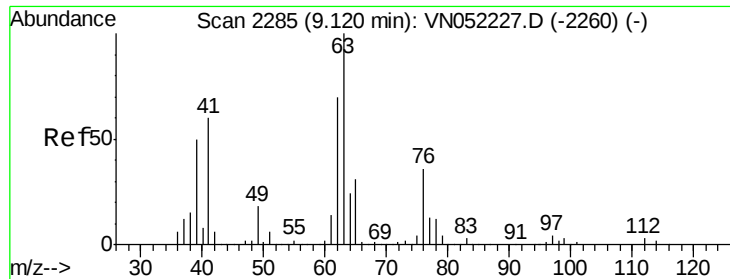
#44
Trichloroethene
Concen: 48.814 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	201.6



Abundance Ion 129.80 (129.50 to 130.50): VN052277.D (-2180) (-)





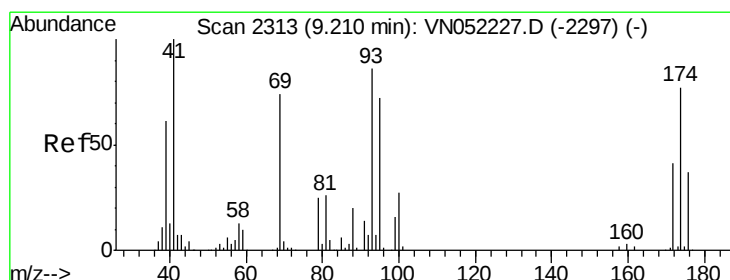
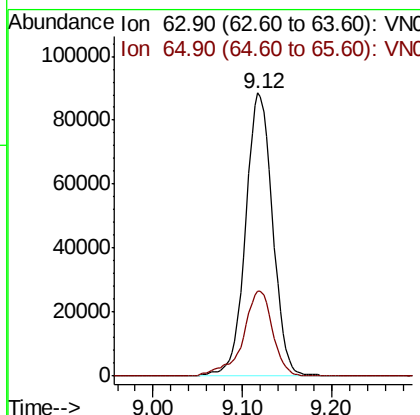
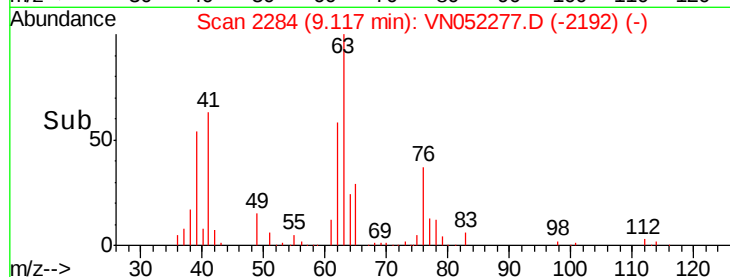
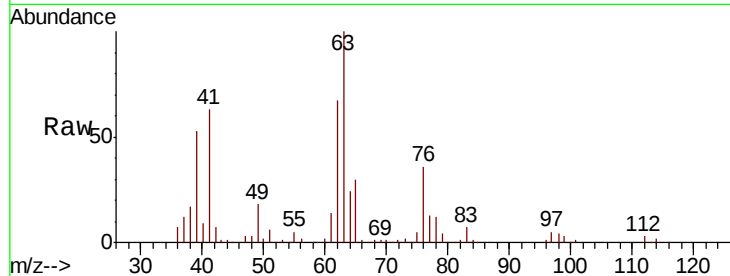
#45
 1,2-Dichloropropane
 Concen: 49.778 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.8	37.2

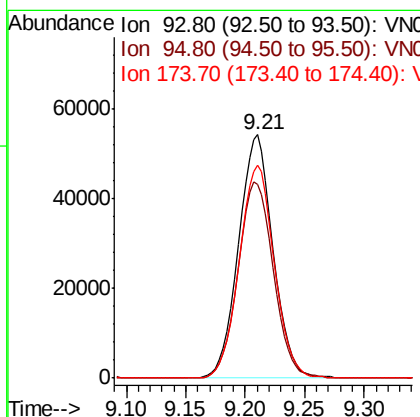
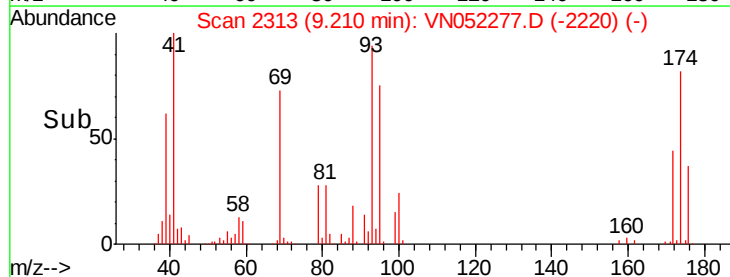
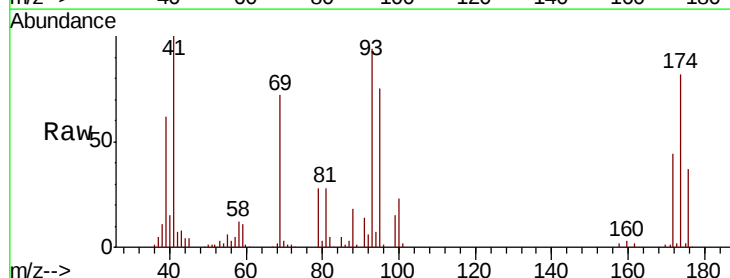
Manual Integrations
 APPROVED

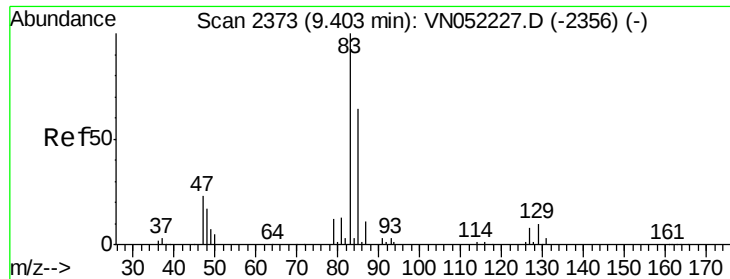
MMDadoda
 11/14/2018 11:10:03 AM



#46
 Dibromomethane
 Concen: 50.279 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.0	100.4
174	89.0	72.1	108.1





#47

Bromodichloromethane

Concen: 50.254 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

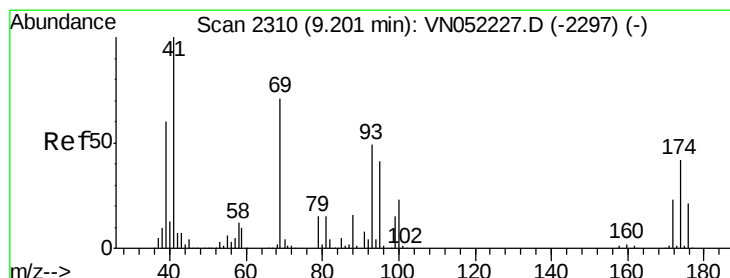
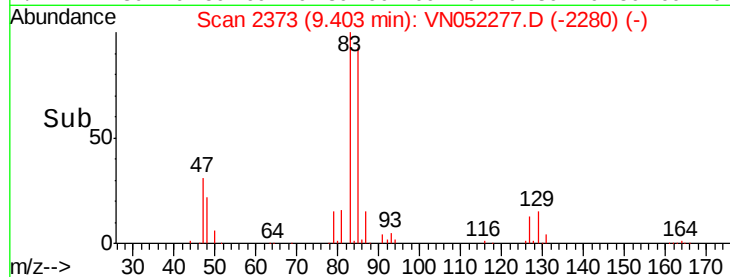
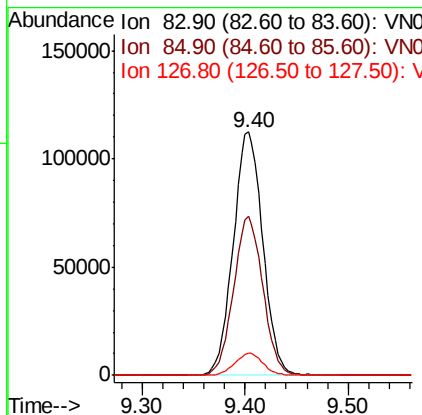
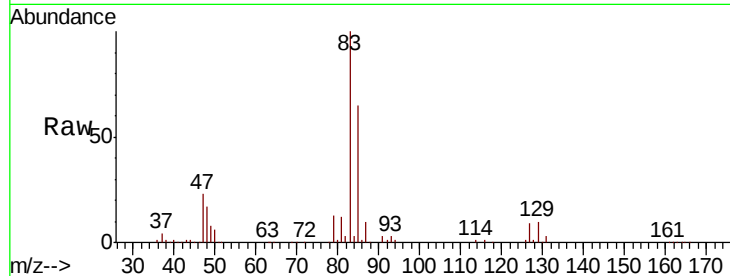
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	224581
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.2	76.8
127	9.2	6.2	9.4

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM



#48

Methyl methacrylate

Concen: 49.551 ug/l

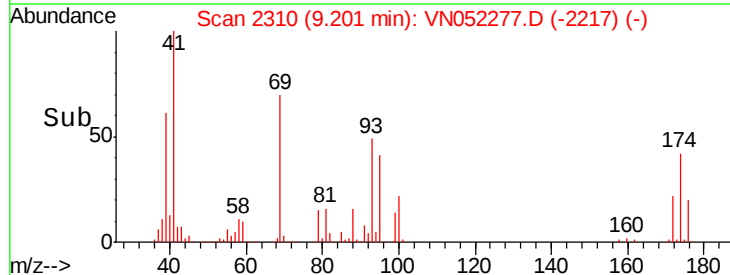
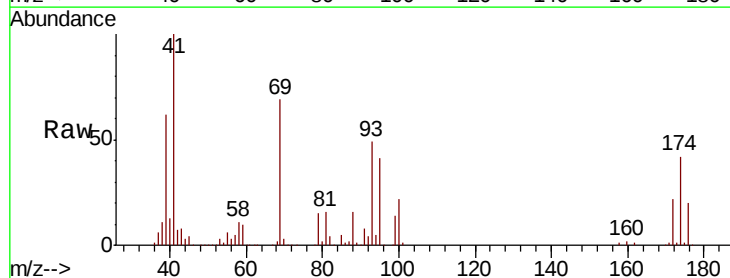
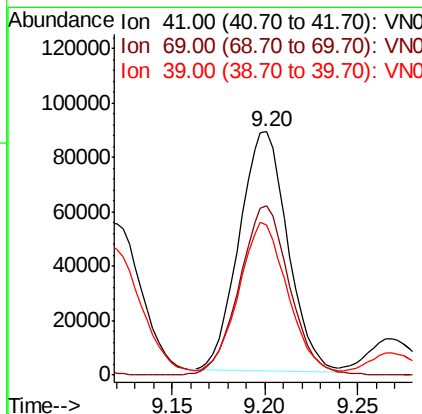
RT: 9.20 min Scan# 2310

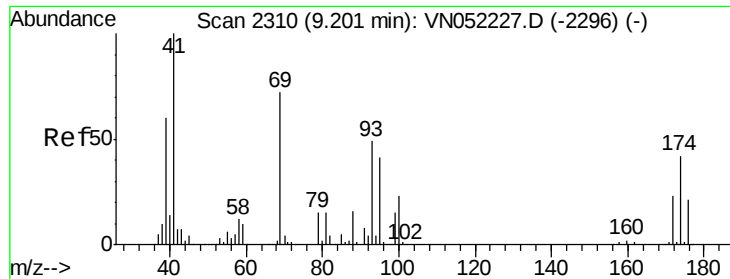
Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Tgt Ion:	41	Resp:	160691
Ion Ratio	Lower	Upper	
41	100		
69	72.9	58.8	88.2
39	61.6	50.7	76.1





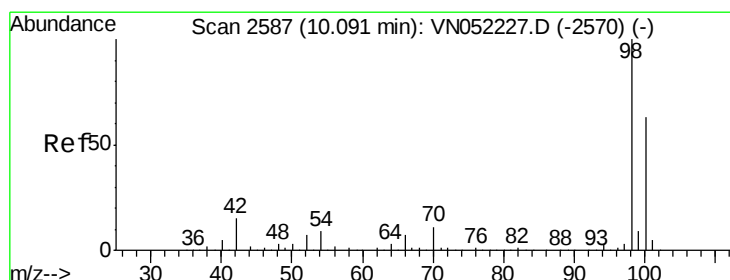
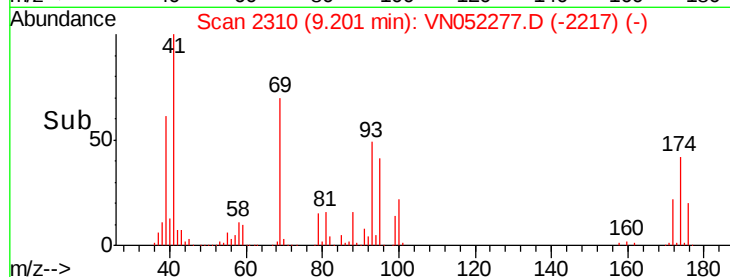
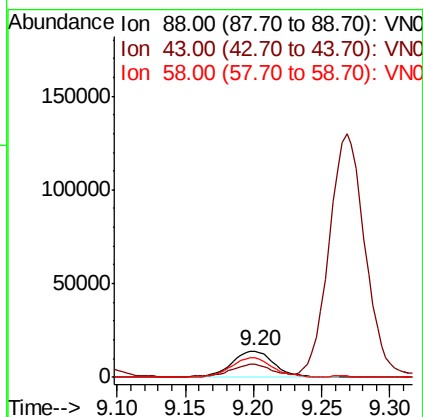
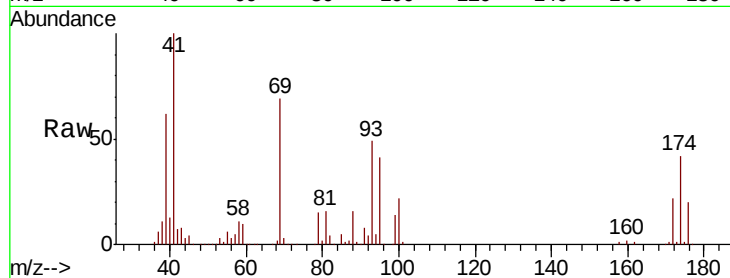
#49
1,4-Dioxane
Concen: 1169.885 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.1	32.5	48.7
58	72.5	58.2	87.4

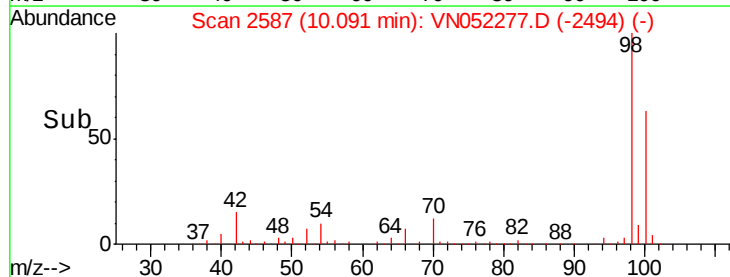
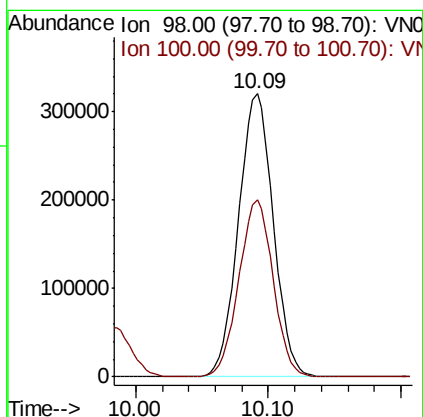
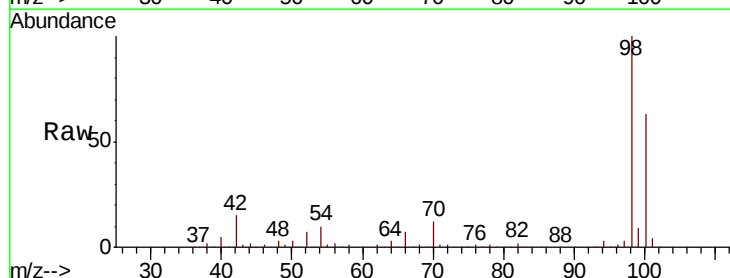
Manual Integrations
APPROVED

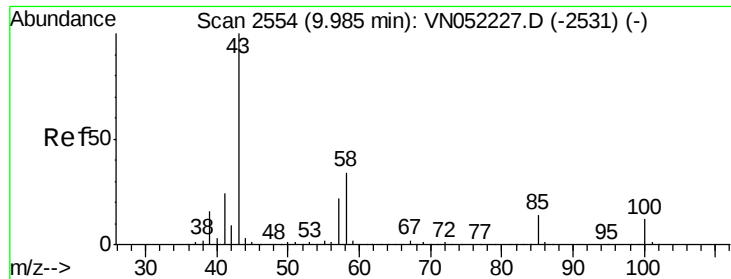
MMDadoda
11/14/2018 11:10:03 AM



#50
Toluene-d8
Concen: 1169.885 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.5	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 253.893 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 862977

Ion Ratio Lower Upper

43 100

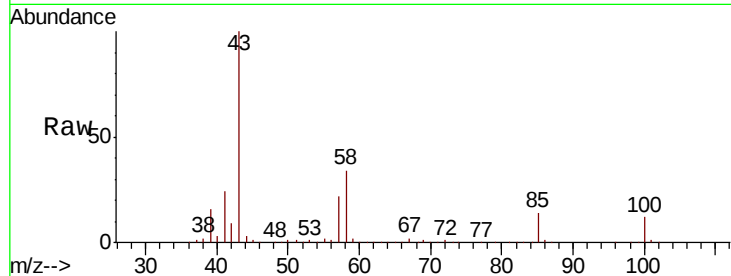
58 34.2 27.4 41.0

Manual Integrations

APPROVED

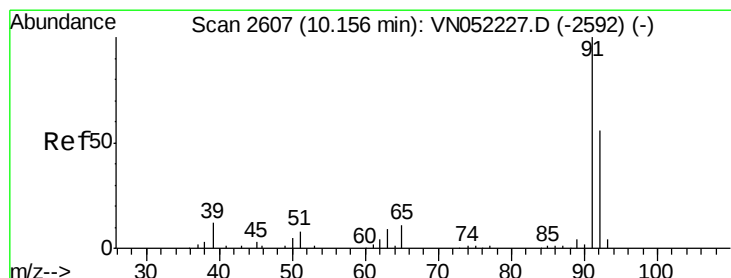
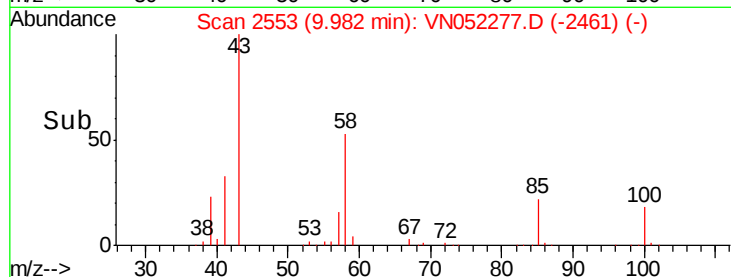
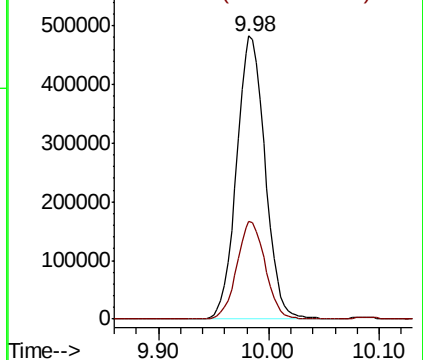
MMDadoda

11/14/2018 11:10:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.386 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052277.D

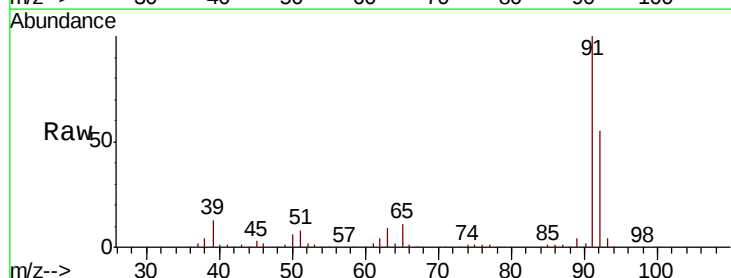
Acq: 13 Nov 2018 10:36

Tgt Ion: 92 Resp: 400436

Ion Ratio Lower Upper

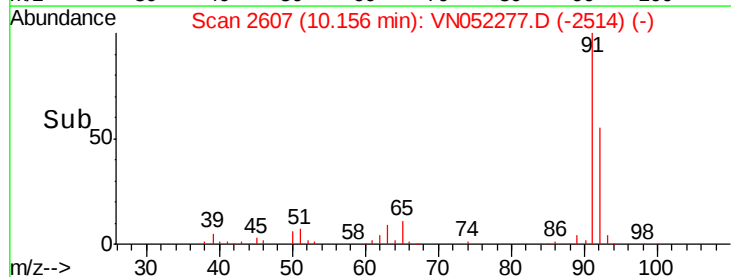
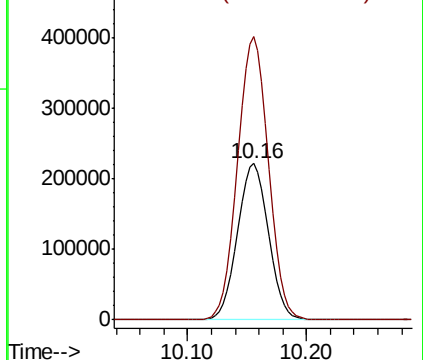
92 100

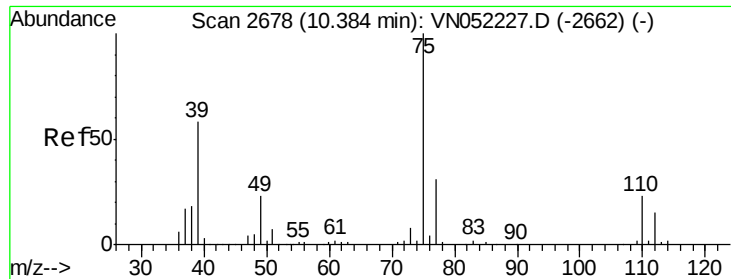
91 180.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





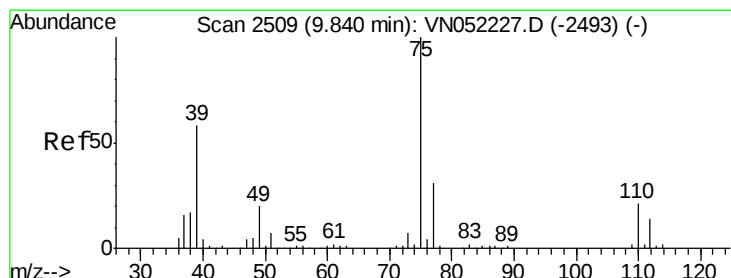
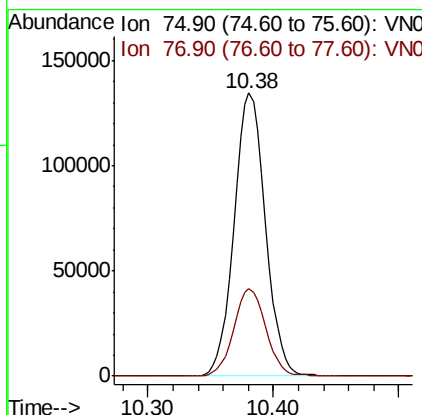
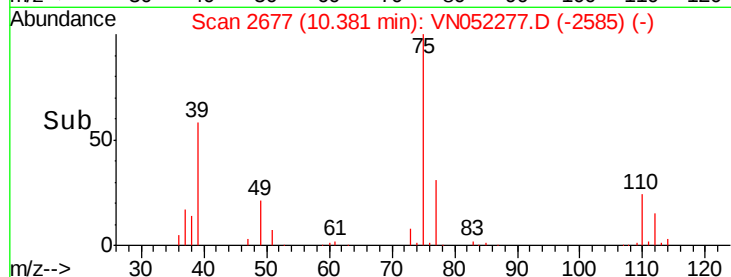
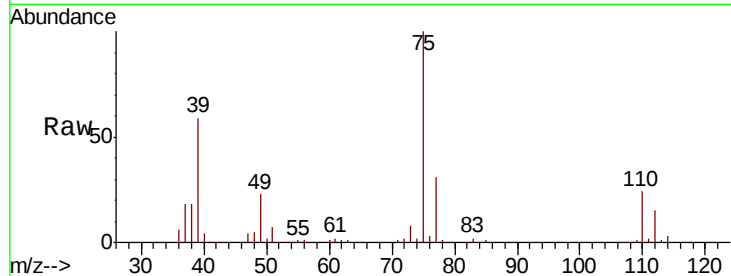
#53
t-1,3-Dichloropropene
Concen: 52.951 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 233513
Ion Ratio Lower Upper
75 100
77 30.6 24.6 36.8

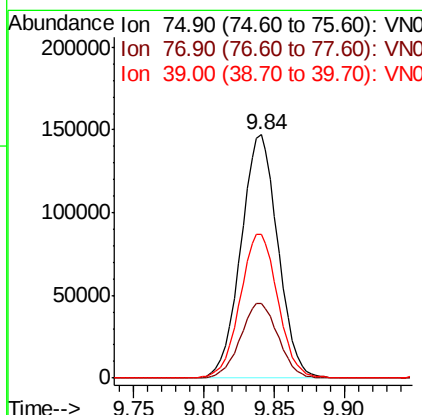
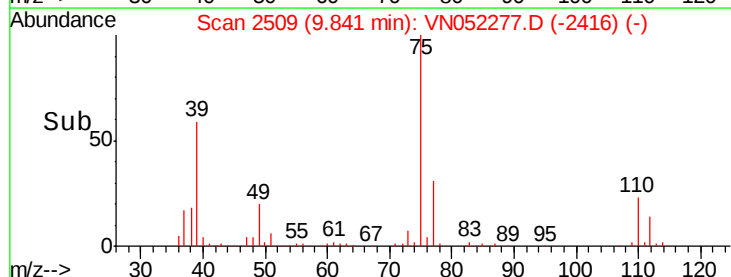
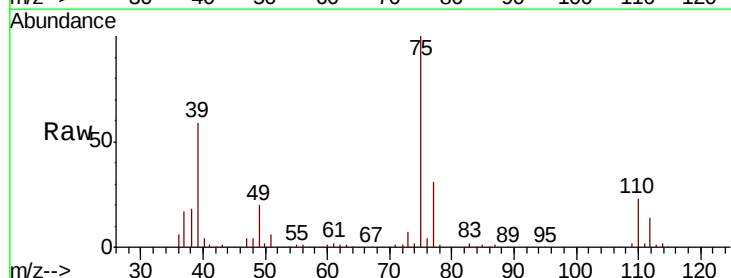
Manual Integrations
APPROVED

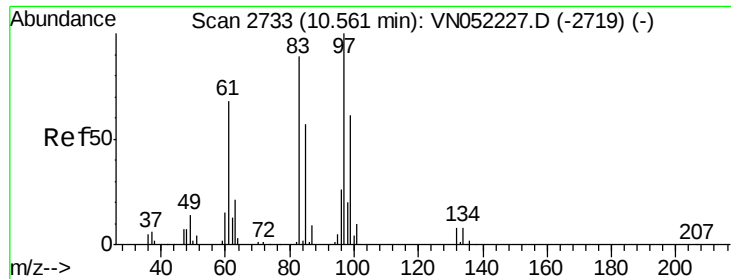
MMDadoda
11/14/2018 11:10:03 AM



#54
cis-1,3-Dichloropropene
Concen: 51.891 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion: 75 Resp: 270140
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 58.8 46.6 70.0





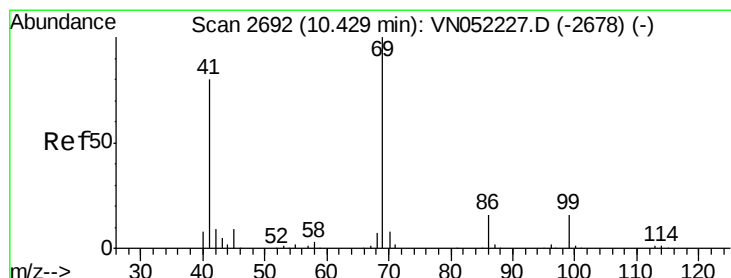
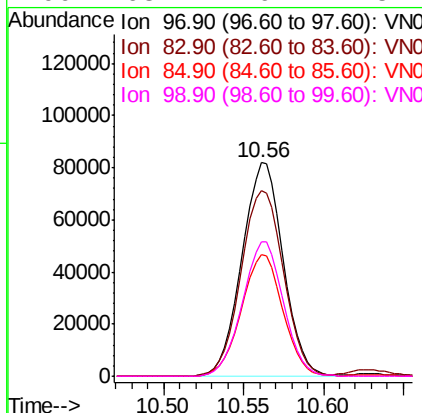
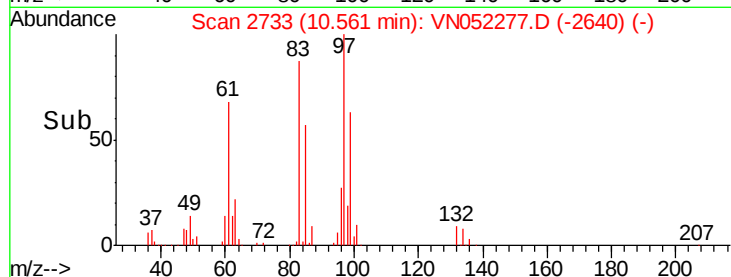
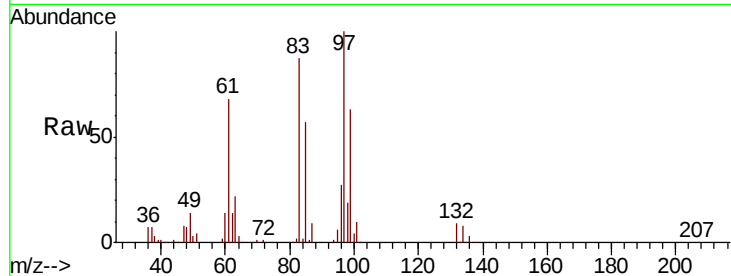
#55
 1,1,2-Trichloroethane
 Concen: 49.328 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	144565
Ion	Ratio	Lower	Upper
97	100		
83	87.2	71.2	106.8
85	57.2	45.6	68.4
99	63.2	49.1	73.7

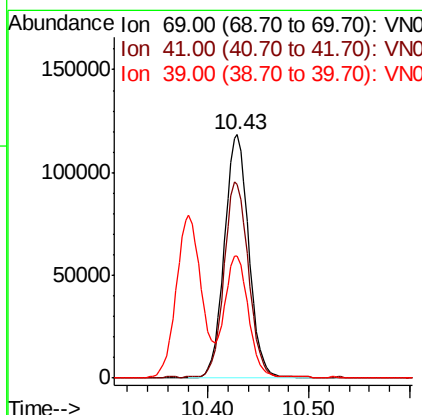
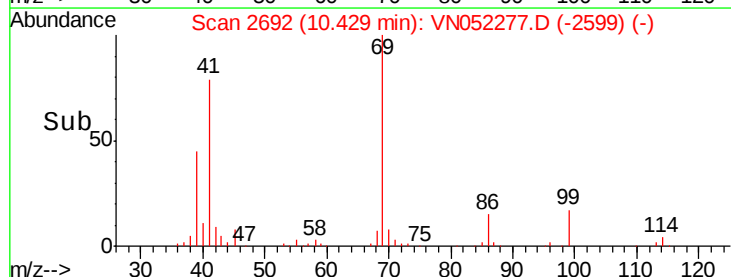
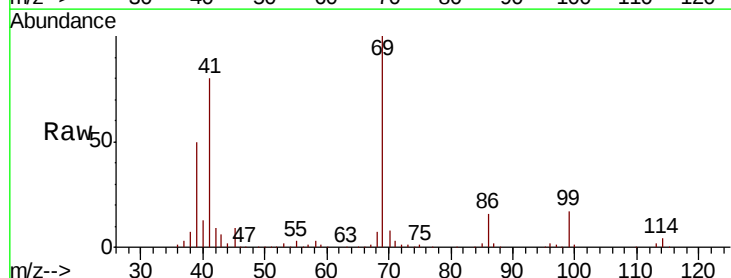
Manual Integrations
 APPROVED

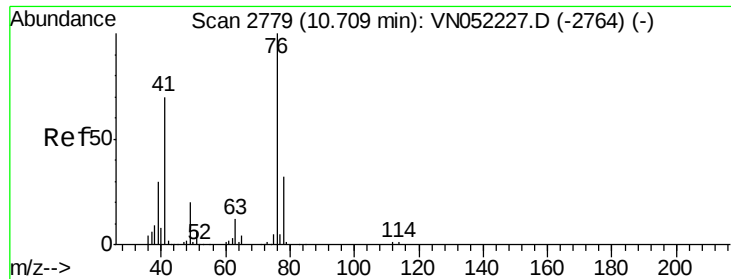
MMDadoda
 11/14/2018 11:10:03 AM



#56
 Ethyl methacrylate
 Concen: 50.761 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion:	69	Resp:	201059
Ion	Ratio	Lower	Upper
69	100		
41	79.9	64.0	96.0
39	48.3	37.8	56.8





#57

1,3-Dichloropropane

Concen: 49.365 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 258984

Ion Ratio Lower Upper

76 100

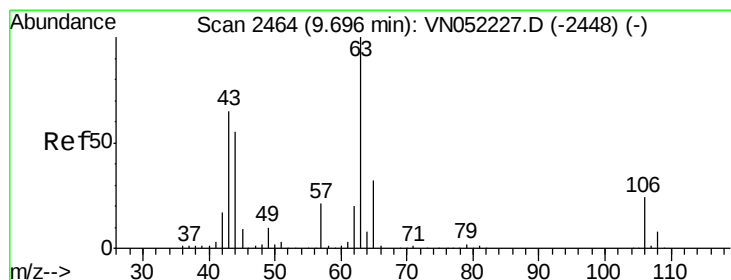
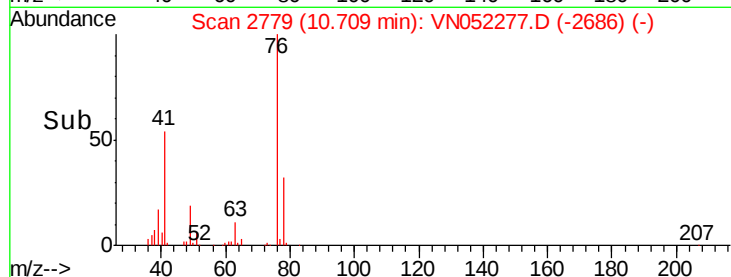
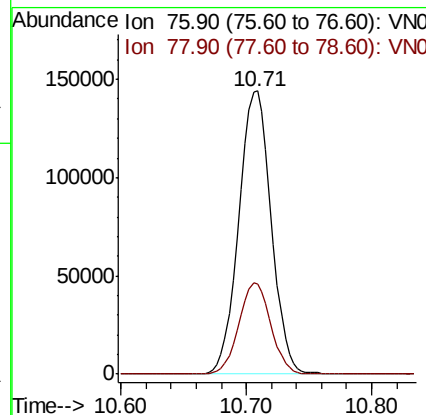
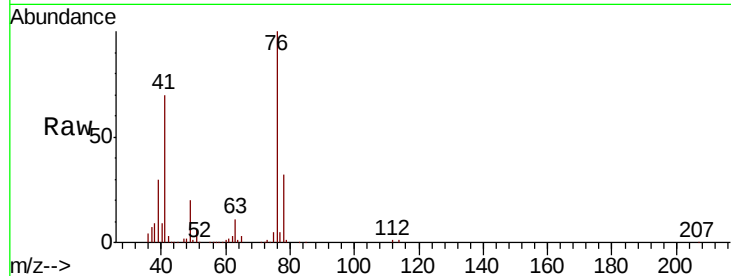
78 31.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/14/2018 11:10:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 260.082 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052277.D

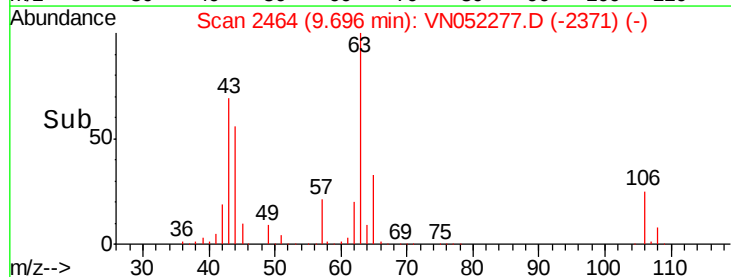
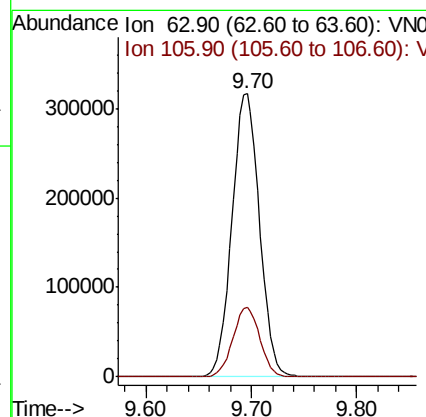
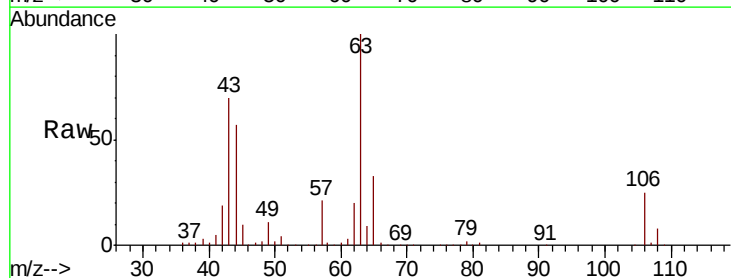
Acq: 13 Nov 2018 10:36

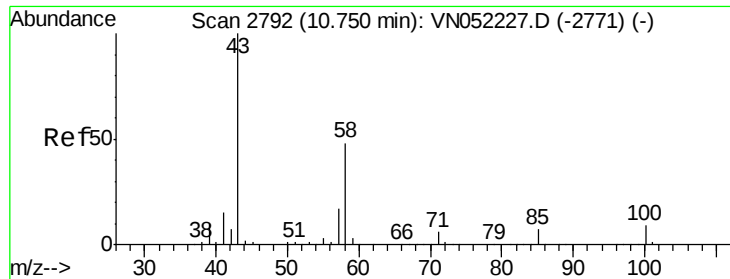
Tgt Ion: 63 Resp: 570410

Ion Ratio Lower Upper

63 100

106 24.0 19.5 29.3





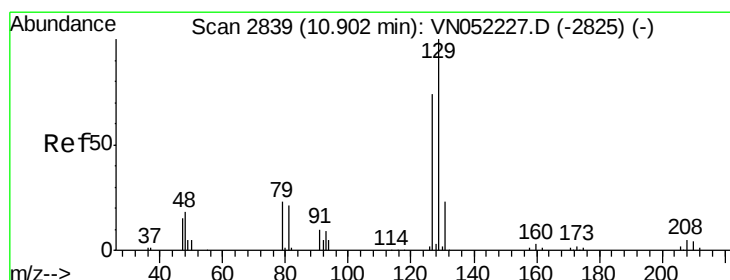
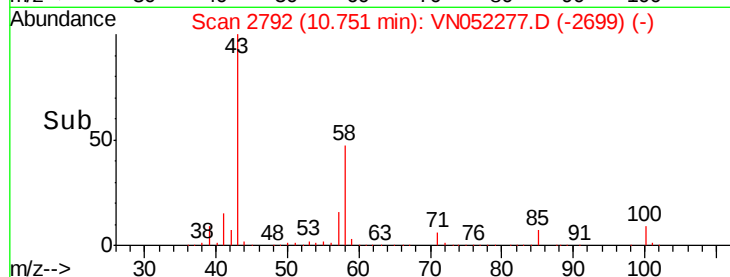
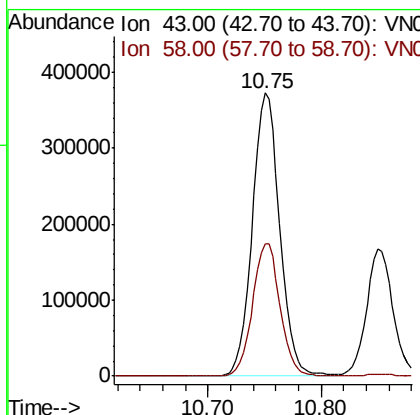
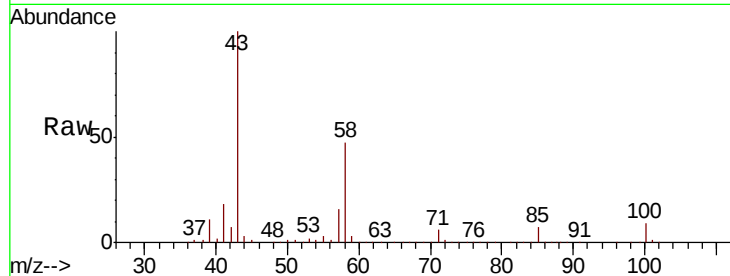
#59
2-Hexanone
Concen: 261.858 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.0	24.1	72.3

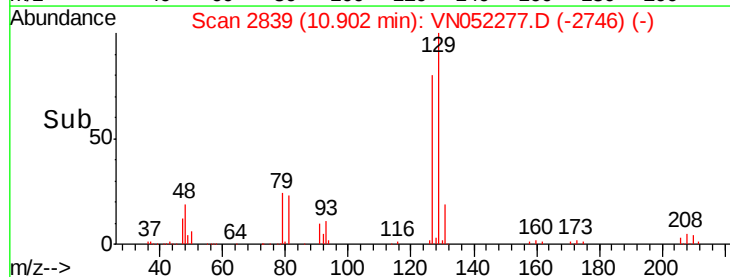
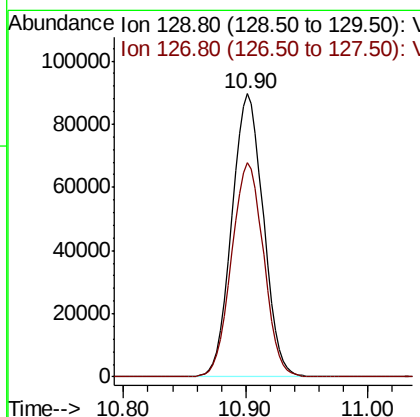
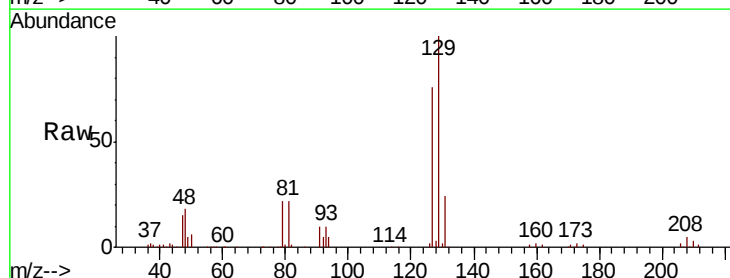
Manual Integrations
APPROVED

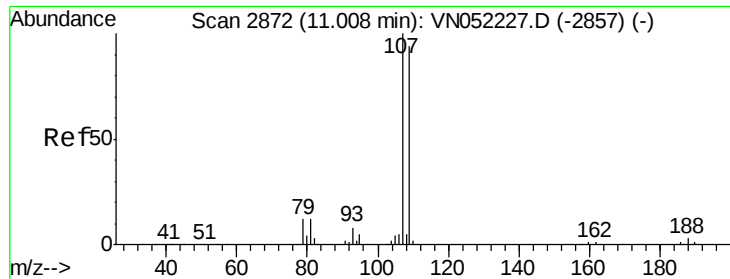
MMDadoda
11/14/2018 11:10:03 AM



#60
Dibromochloromethane
Concen: 54.153 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.0	114.1





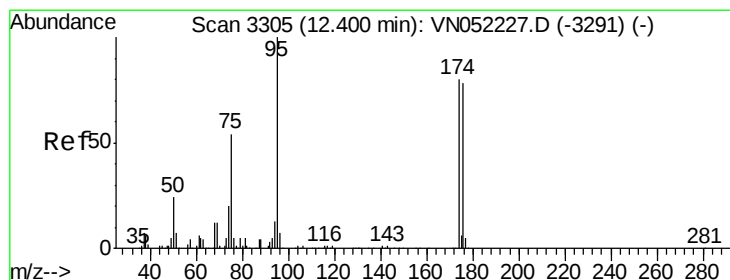
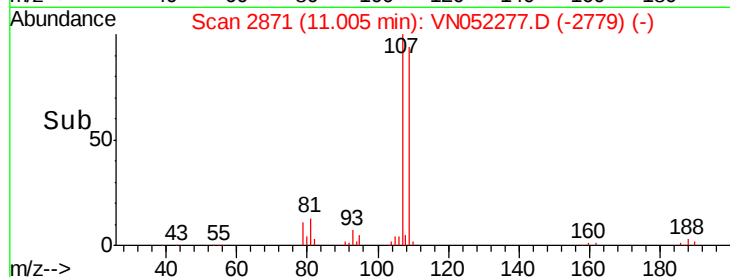
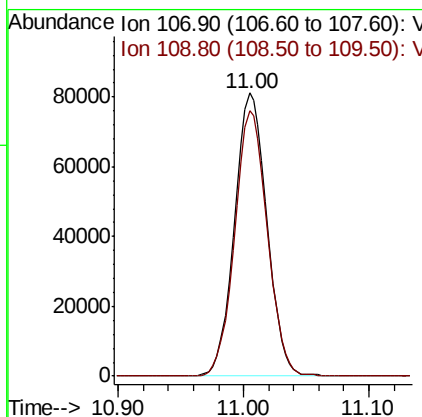
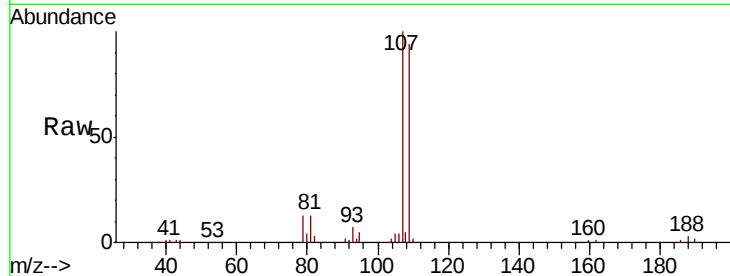
#61
 1,2-Dibromoethane
 Concen: 50.564 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.8	113.6

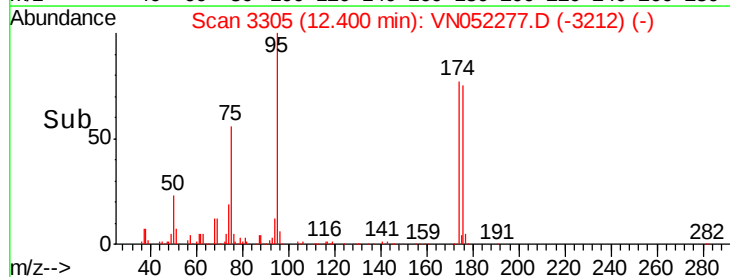
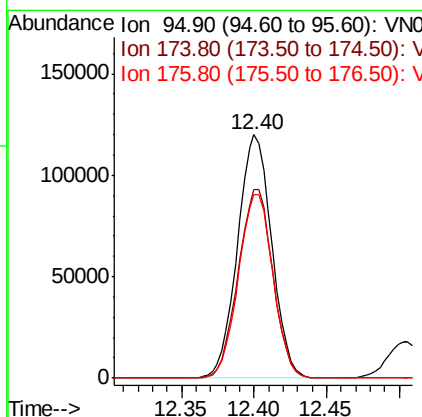
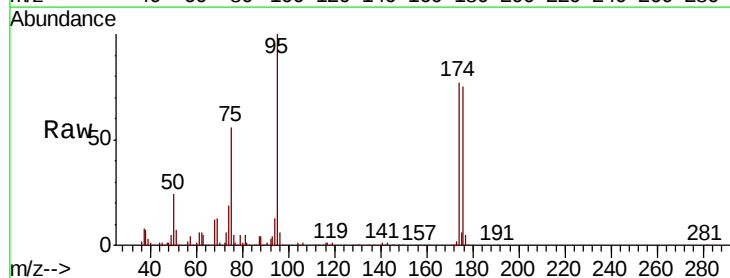
Manual Integrations
 APPROVED

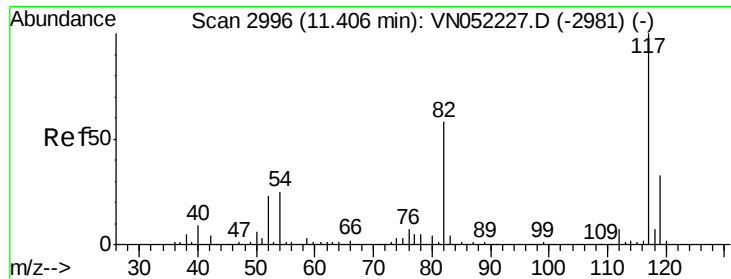
MMDadoda
 11/14/2018 11:10:03 AM



#62
 4-Bromofluorobenzene
 Concen: 50.564 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	159.4
176	76.3	0.0	157.8





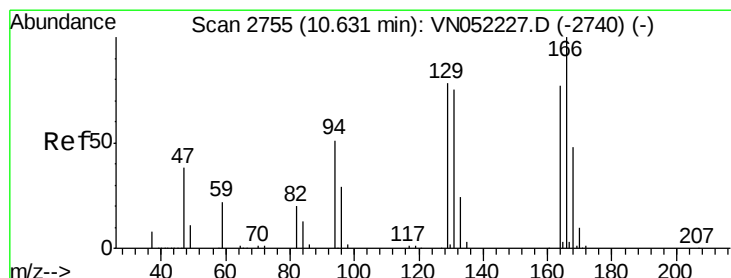
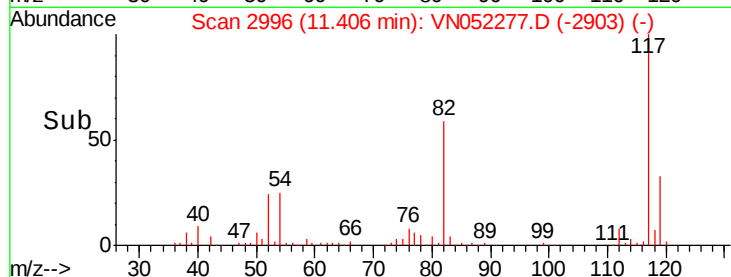
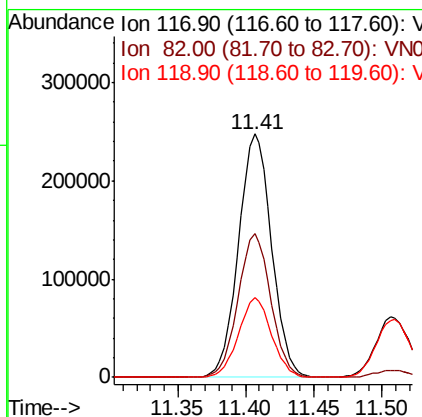
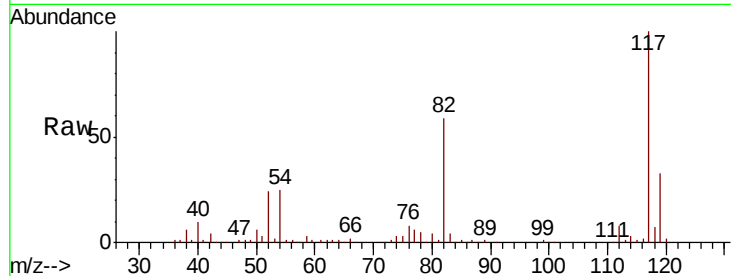
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.2	69.2
119	32.7	26.2	39.4

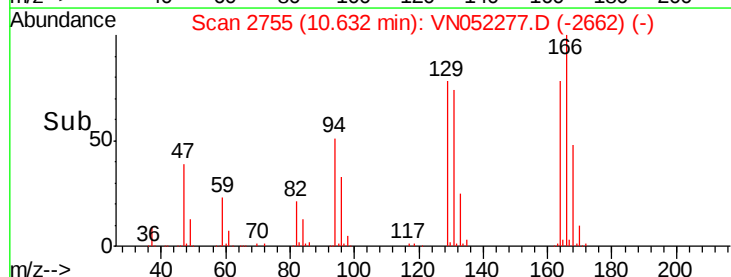
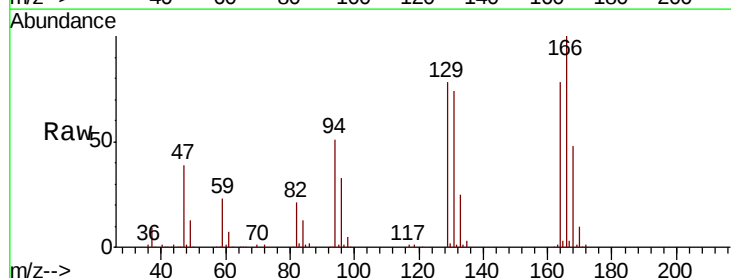
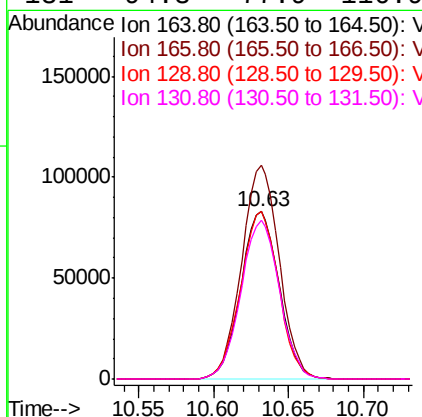
Manual Integrations
APPROVED

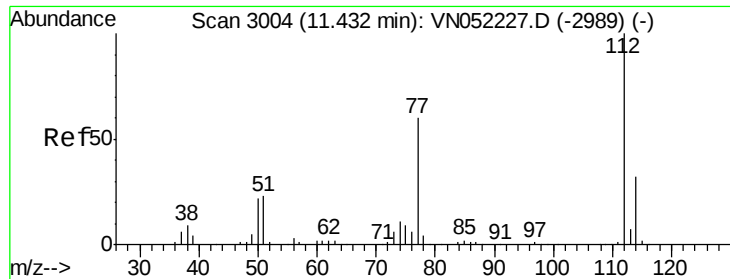
MMDadoda
11/14/2018 11:10:03 AM



#64
Tetrachloroethene
Concen: 50.653 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	100.0	81.0	121.6
131	94.3	77.9	116.9





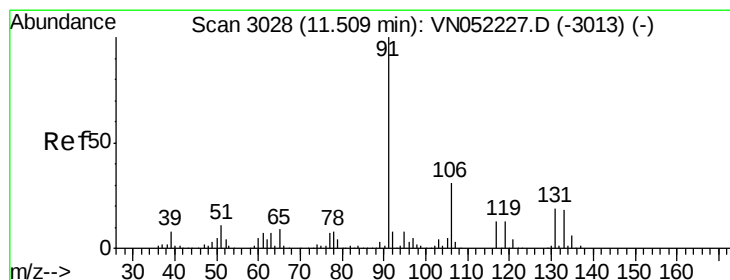
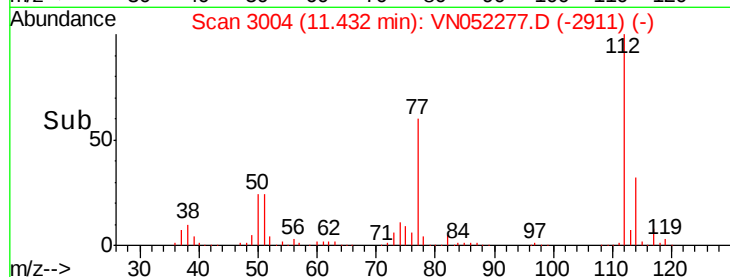
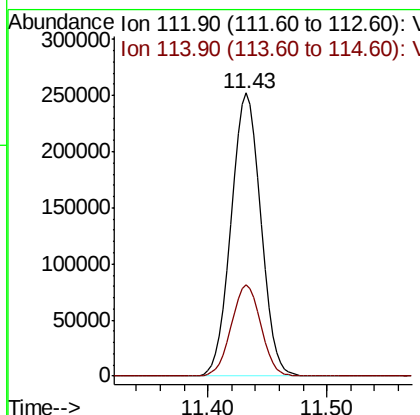
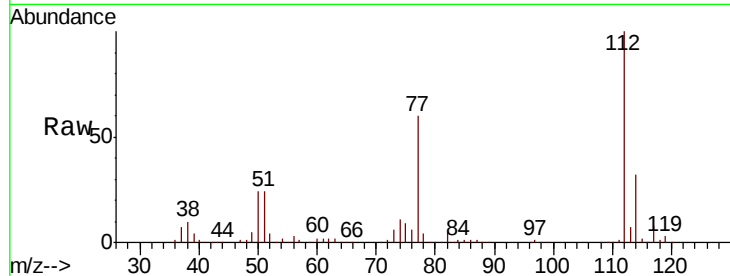
#65
Chlorobenzene
Concen: 49.370 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 436027
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

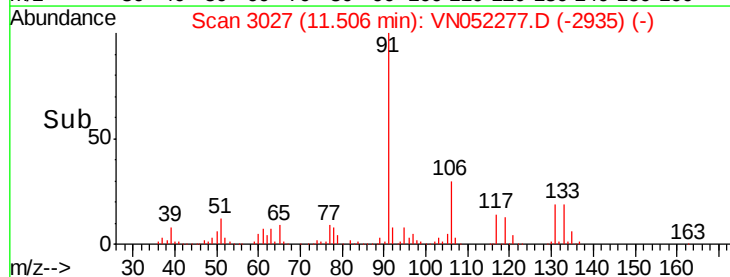
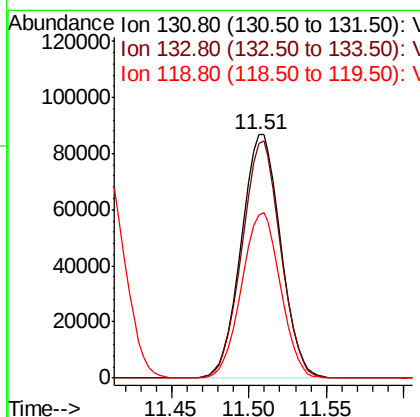
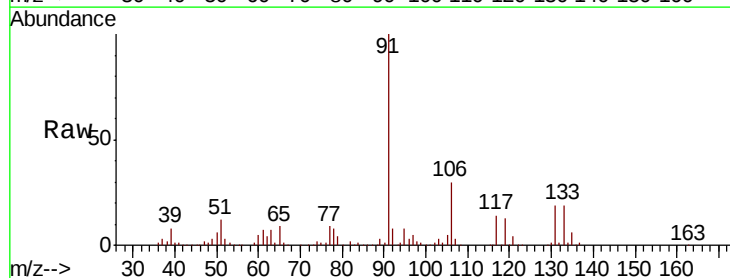
Manual Integrations
APPROVED

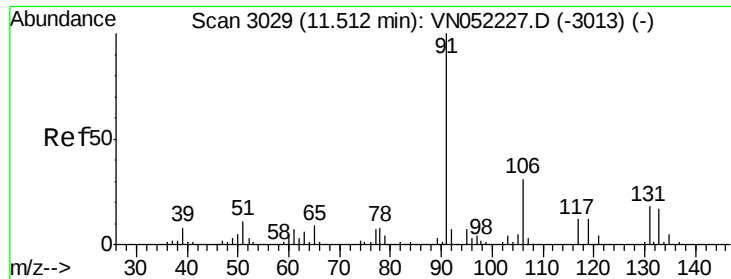
MMDadoda
11/14/2018 11:10:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.532 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion:131 Resp: 154167
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.9
119 66.9 34.6 103.9





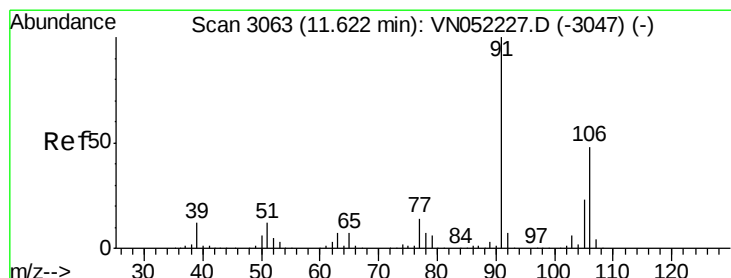
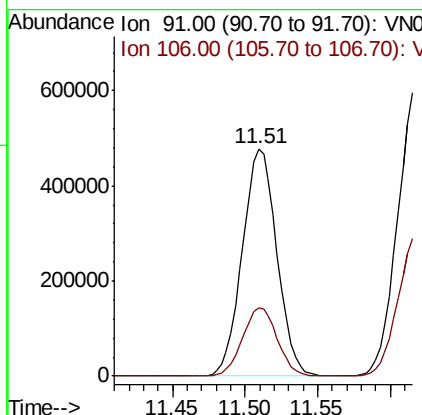
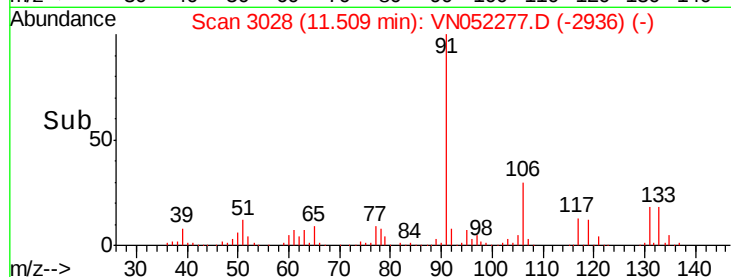
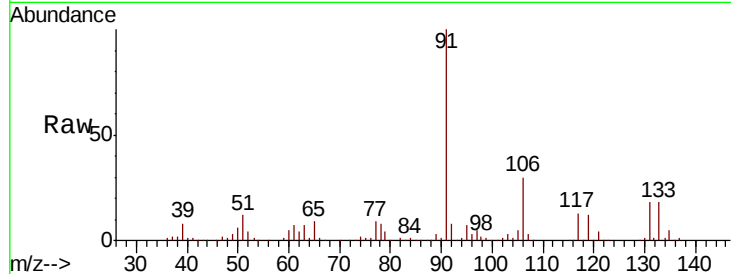
#67
Ethyl Benzene
Concen: 50.945 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 791420
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1

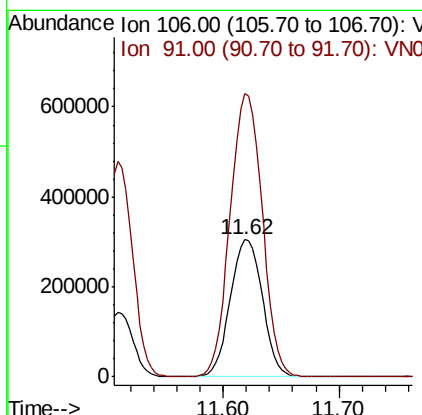
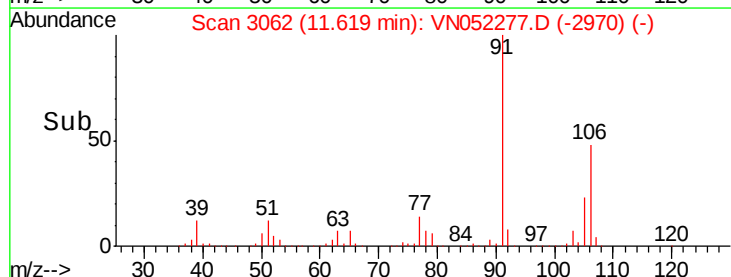
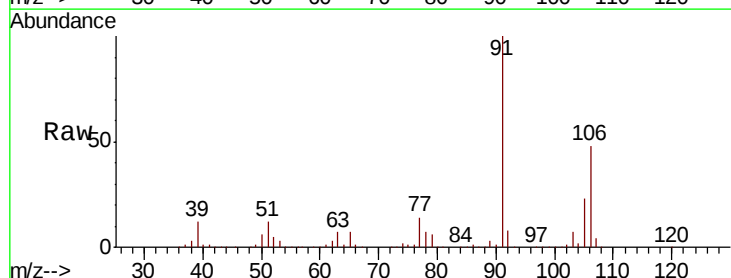
Manual Integrations
APPROVED

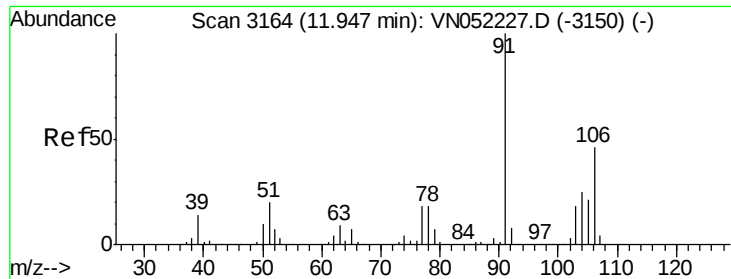
MMDadoda
11/14/2018 11:10:03 AM



#68
m/p-Xylenes
Concen: 101.497 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion: 106 Resp: 587193
Ion Ratio Lower Upper
106 100
91 206.8 165.7 248.5





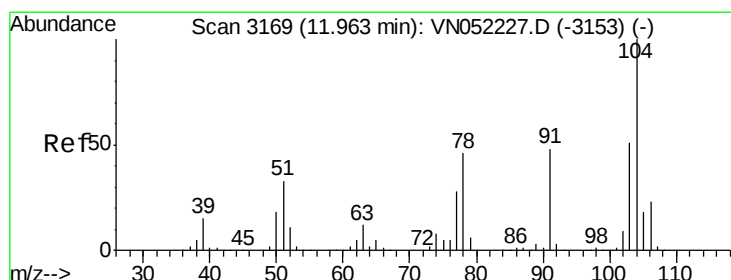
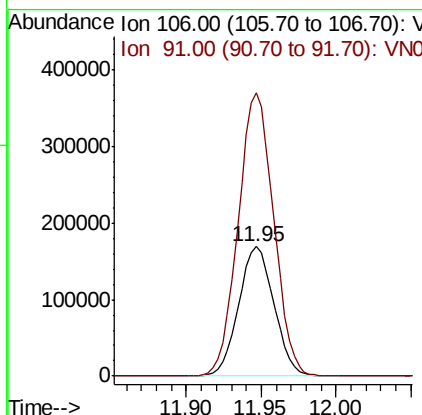
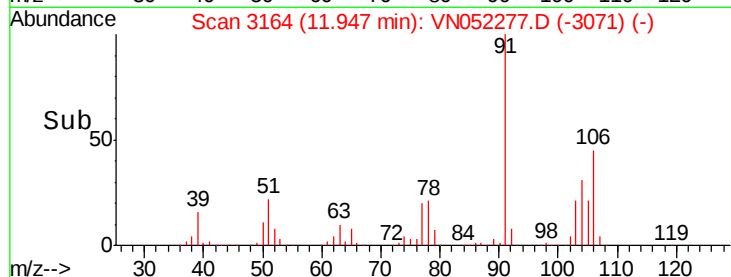
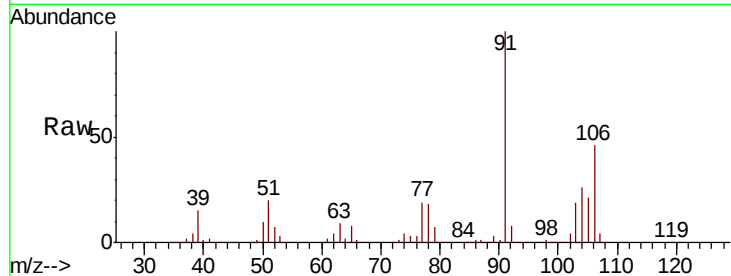
#69
o-Xylene
Concen: 50.591 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 279628
Ion Ratio Lower Upper
106 100
91 218.7 108.5 325.5

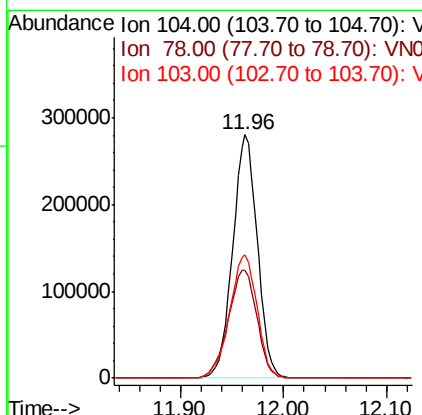
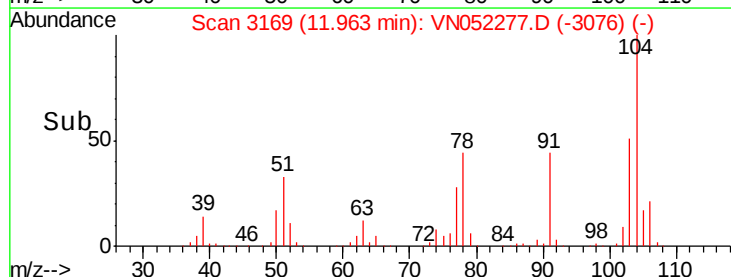
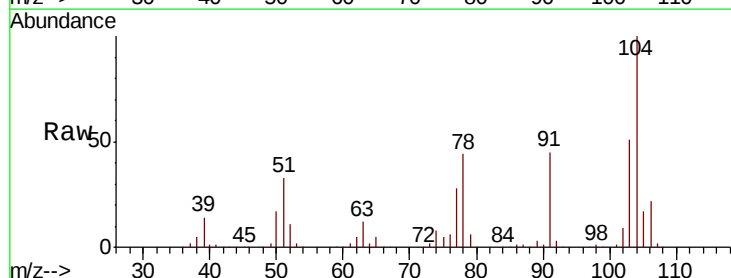
Manual Integrations
APPROVED

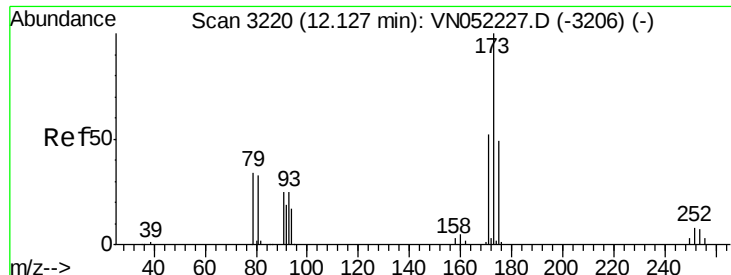
MMDadoda
11/14/2018 11:10:03 AM



#70
Styrene
Concen: 52.315 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion:104 Resp: 467164
Ion Ratio Lower Upper
104 100
78 51.3 41.8 62.6
103 56.3 44.9 67.3





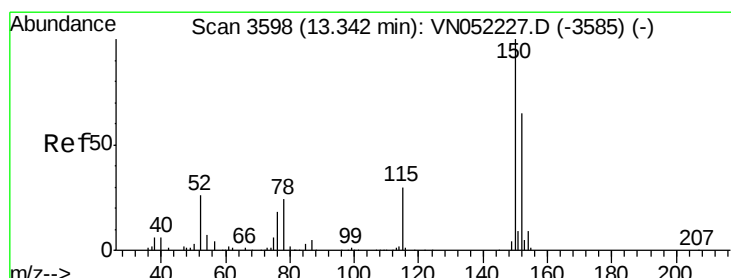
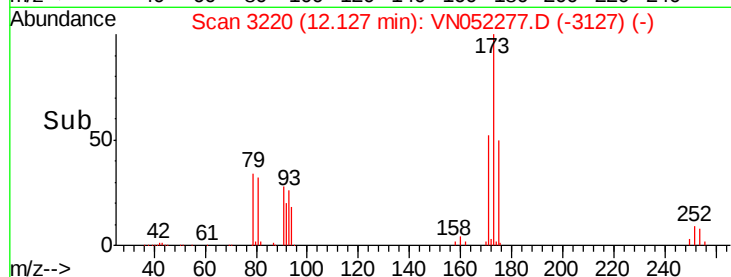
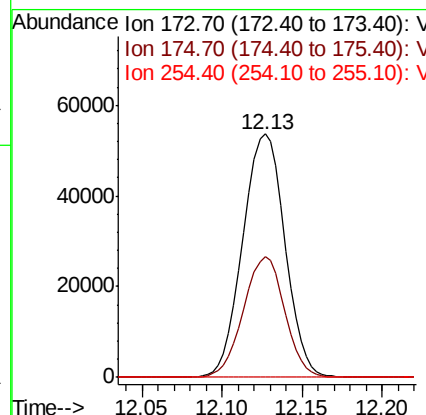
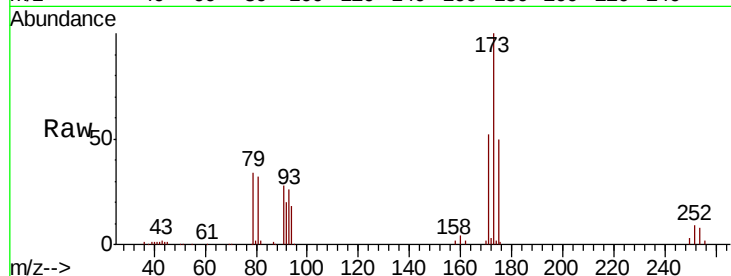
#71
Bromoform
Concen: 54.133 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.0	0.0	0.0

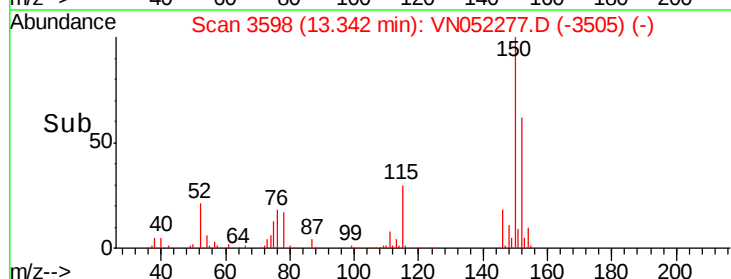
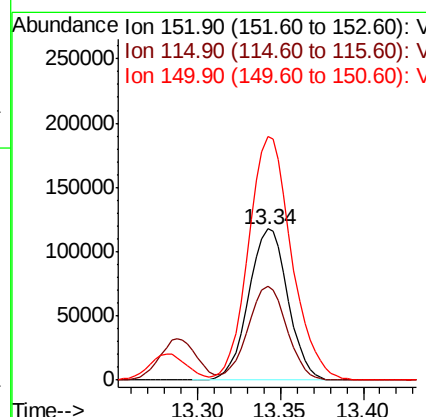
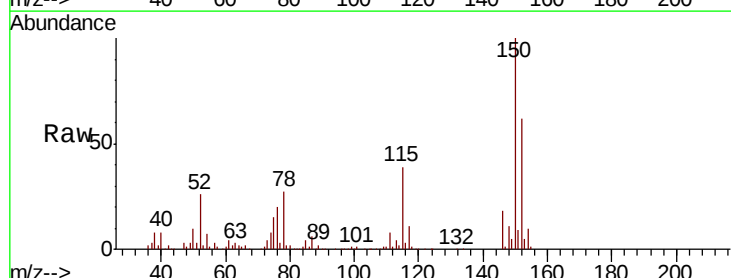
Manual Integrations
APPROVED

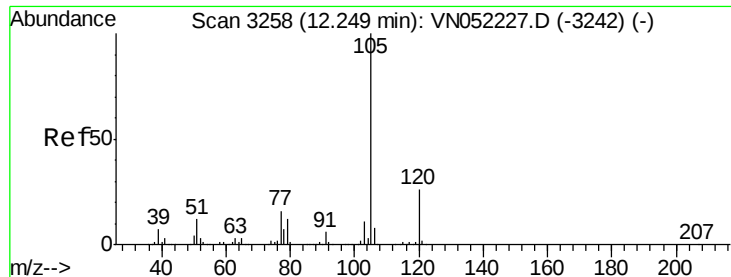
MMDadoda
11/14/2018 11:10:03 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	29.8	89.5
150	177.2	0.0	350.2





#73

Isopropylbenzene

Concen: 48.635 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 767670

Ion Ratio Lower Upper

105 100

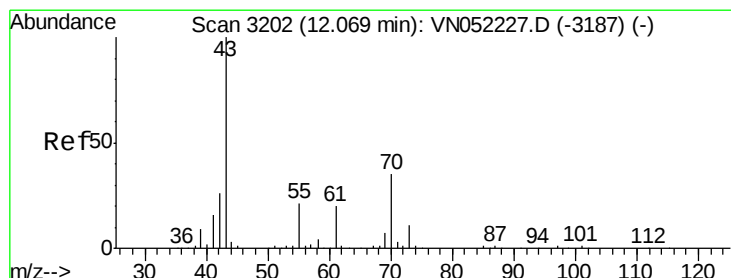
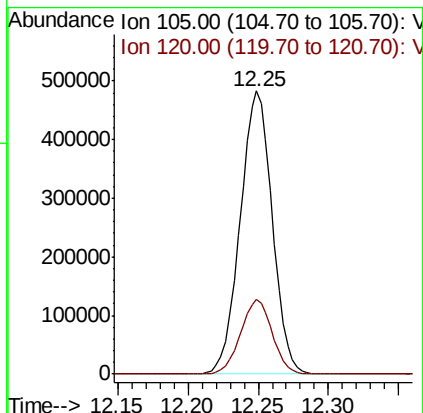
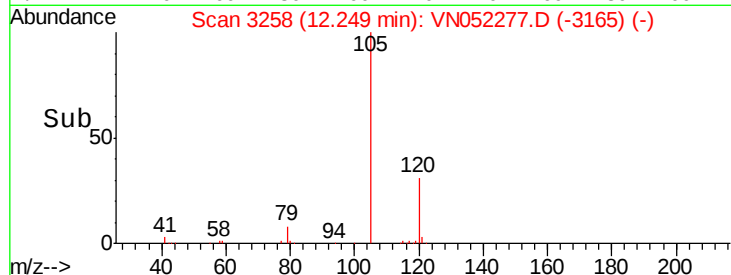
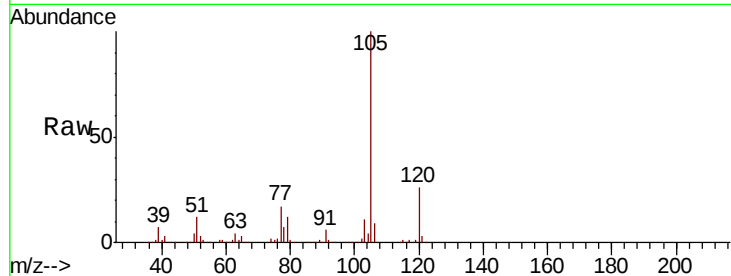
120 26.1 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

11/14/2018 11:10:03 AM



#74

N-ethyl acetate

Concen: 50.578 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Tgt Ion: 43 Resp: 289829

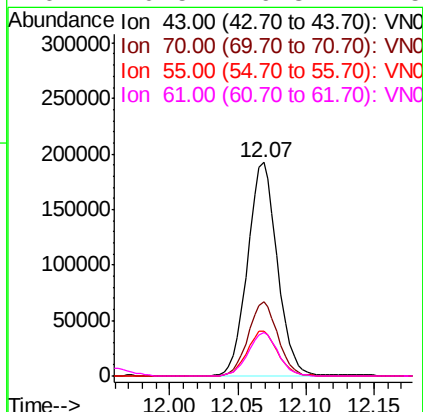
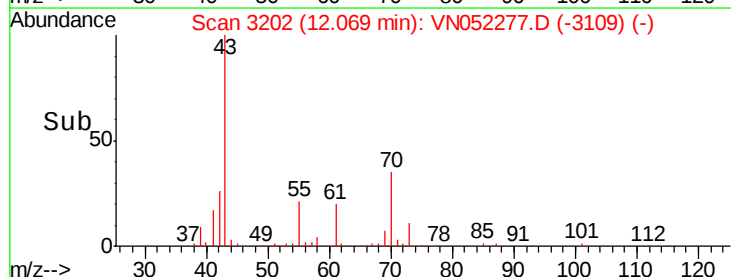
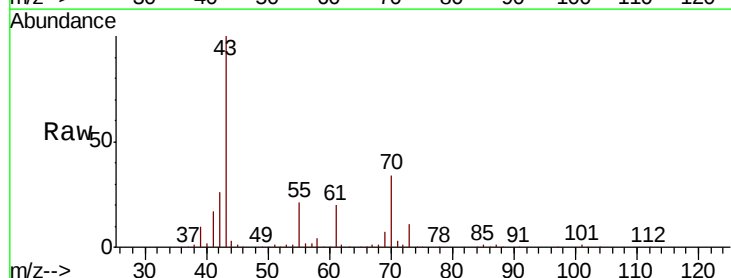
Ion Ratio Lower Upper

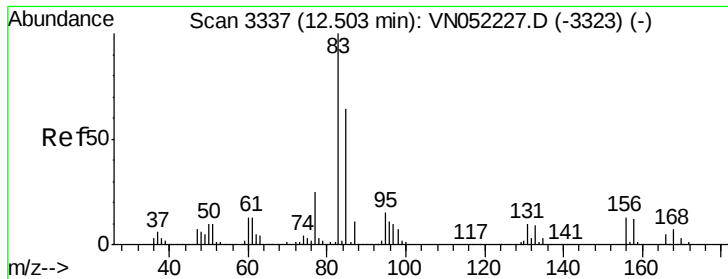
43 100

70 34.6 28.2 42.2

55 21.9 17.4 26.2

61 20.5 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.379 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

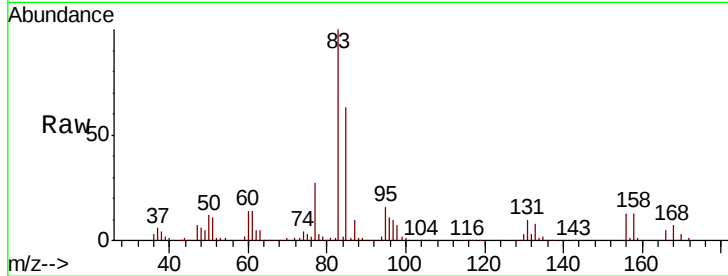
ClientSampleId :

VSTDCCC050

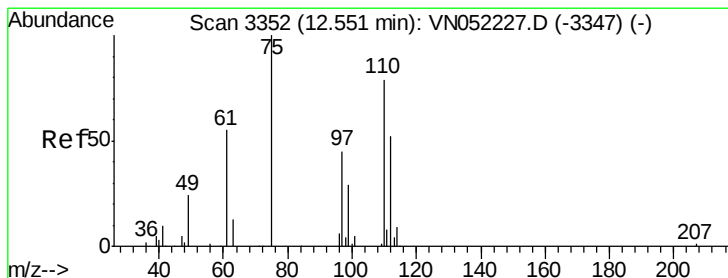
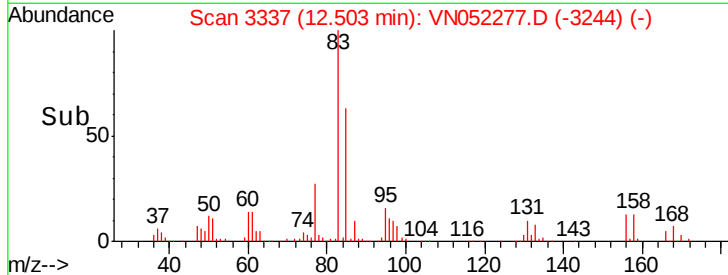
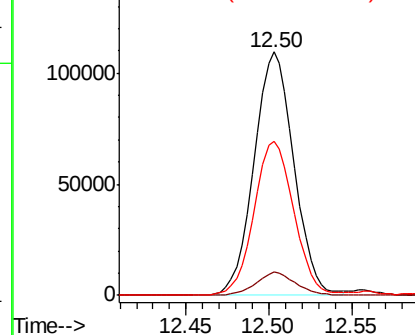
Tot Ion:	83	Resp:	183336
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.2
85	63.0	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.539 ug/l m

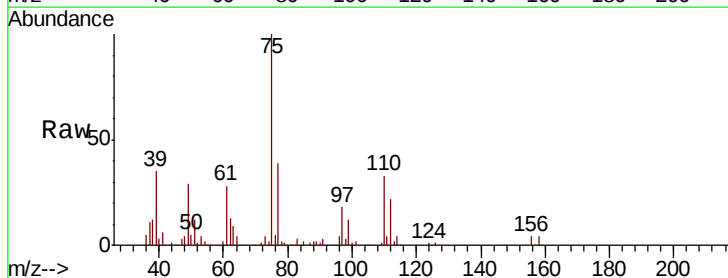
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

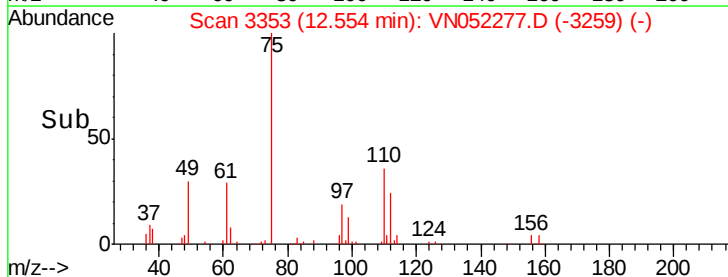
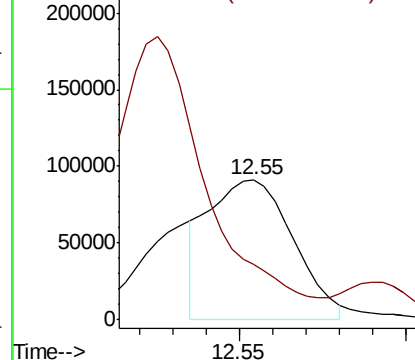
Lab File: VN052277.D

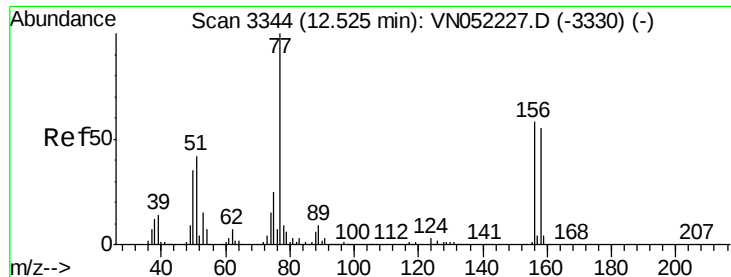
Acq: 13 Nov 2018 10:36

Tgt Ion:	75	Resp:	162405
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.859 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

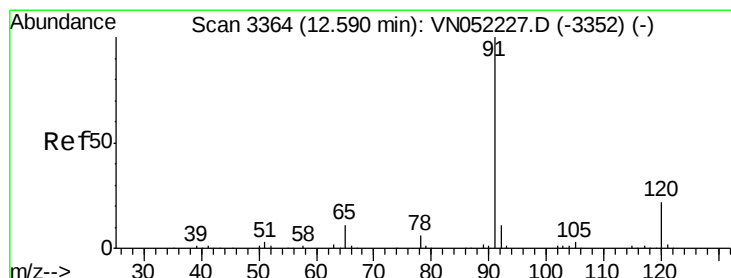
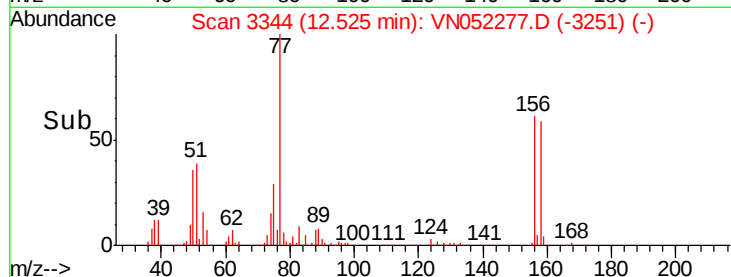
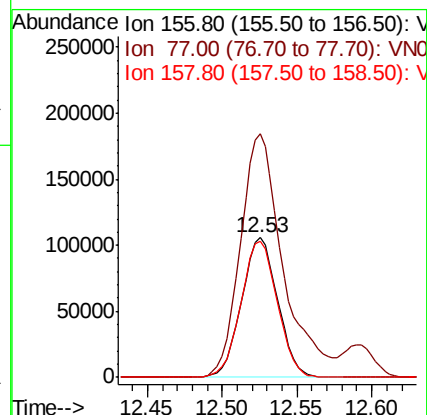
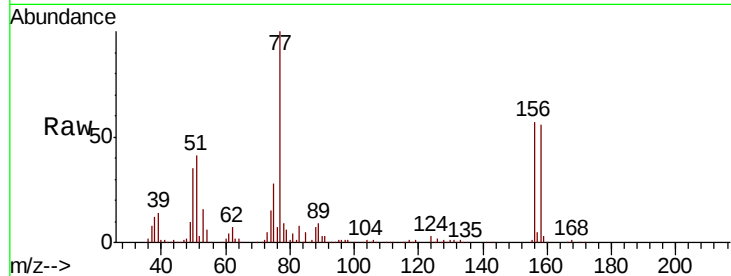
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	176825
Ion Ratio	Lower	Upper	
156	100		
77	206.0	101.1	303.3
158	98.6	47.8	143.3

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM



#78

n-propylbenzene

Concen: 50.006 ug/l

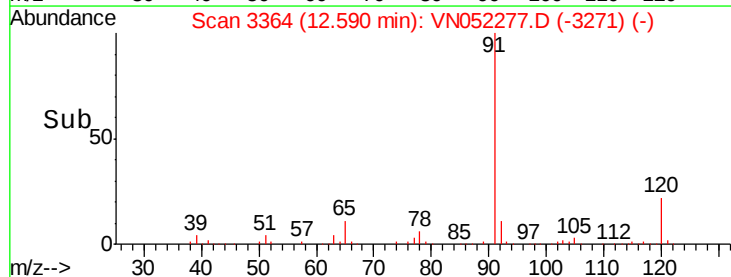
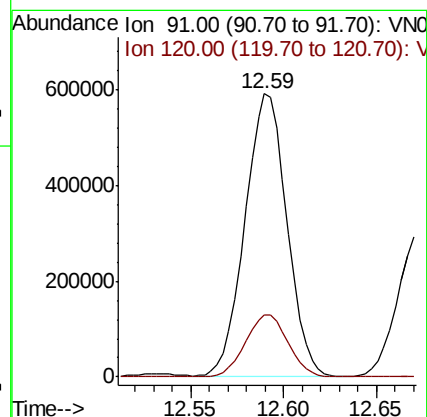
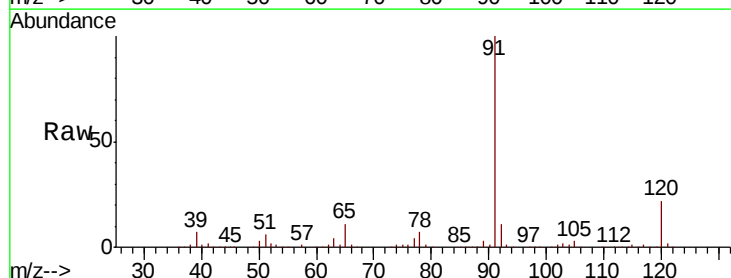
RT: 12.59 min Scan# 3364

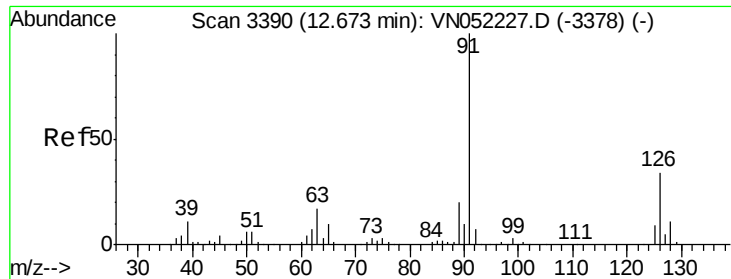
Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Tgt Ion:	91	Resp:	924441
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.8





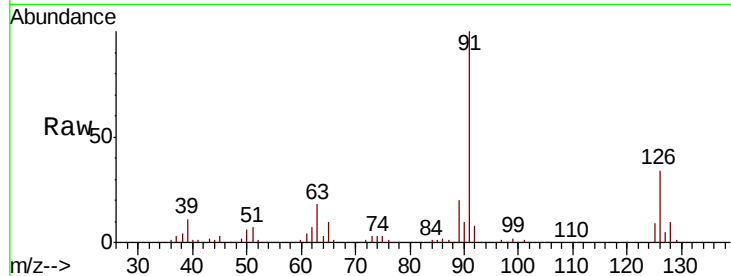
#79
2-Chlorotoluene
Concen: 48.628 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

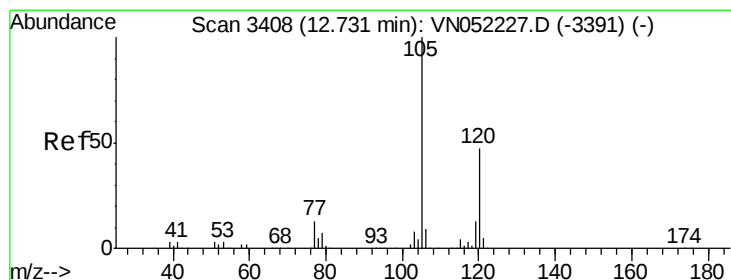
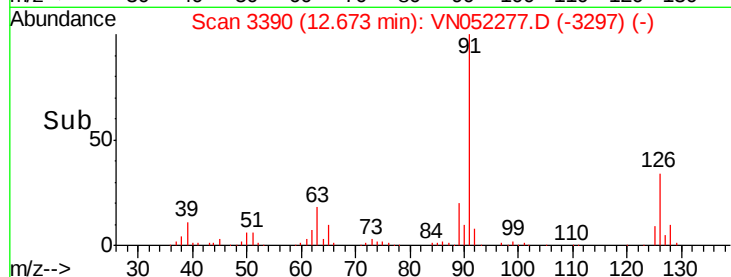
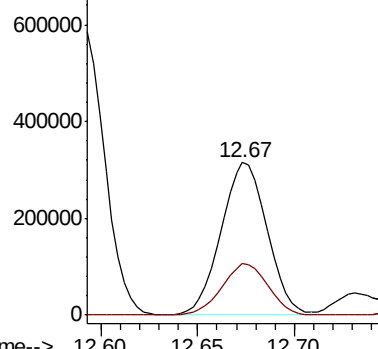
Tot Ion: 91 Resp: 520792
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM

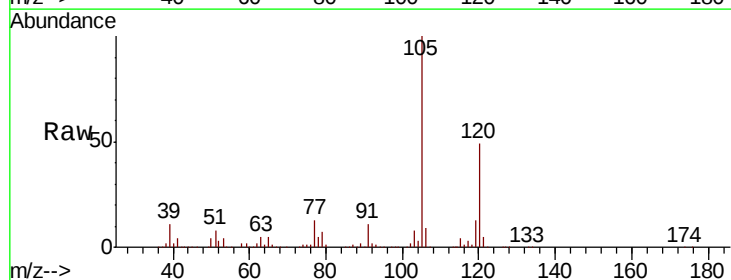


Abundance Ion 91.00 (90.70 to 91.70): VN052277.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN052277.D (-3378) (-)

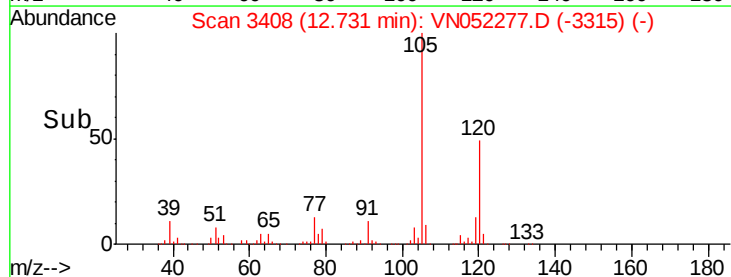
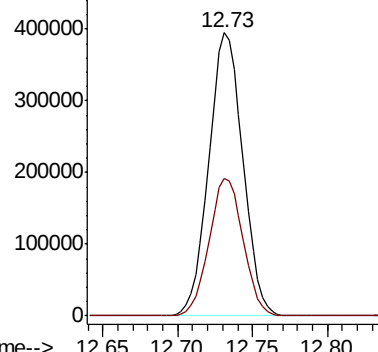


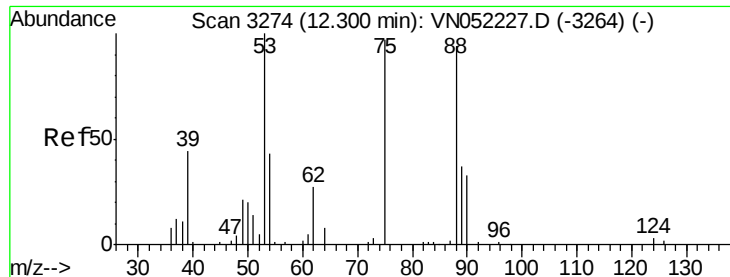
#80
1,3,5-Trimethylbenzene
Concen: 49.713 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion: 105 Resp: 624043
Ion Ratio Lower Upper
105 100
120 48.7 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052277.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN052277.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.970 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Instrument :

MSVOA_N

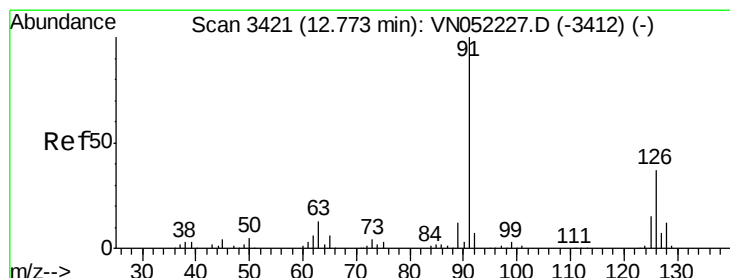
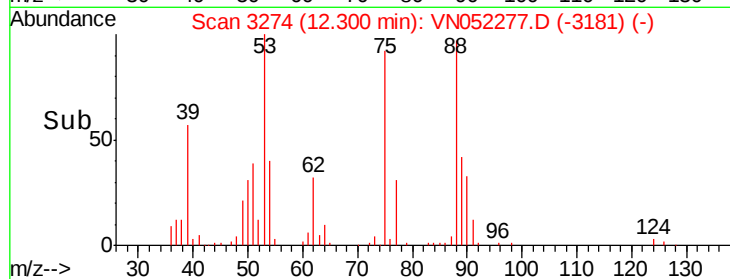
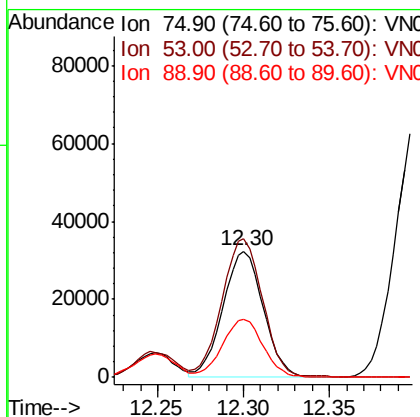
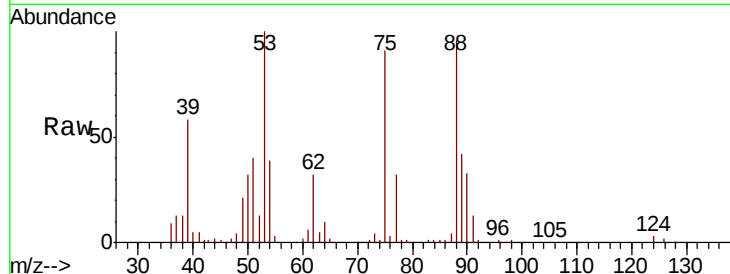
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	53013
Ion	Ratio	Lower	Upper
75	100		
53	111.0	84.0	126.0
89	45.9	33.7	50.5

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM



#82

4-Chlorotoluene

Concen: 50.105 ug/l

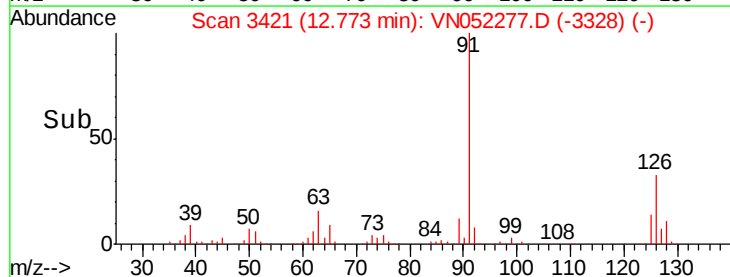
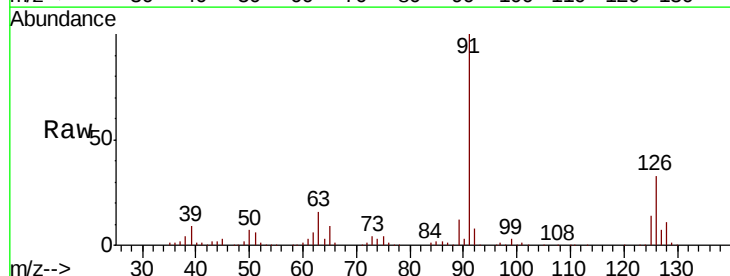
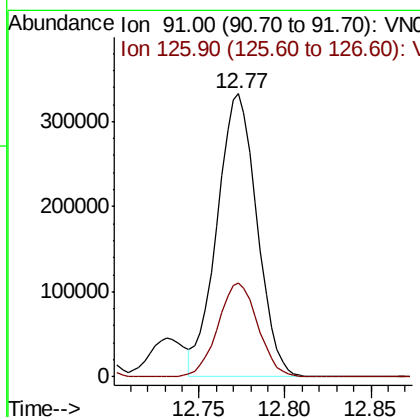
RT: 12.77 min Scan# 3421

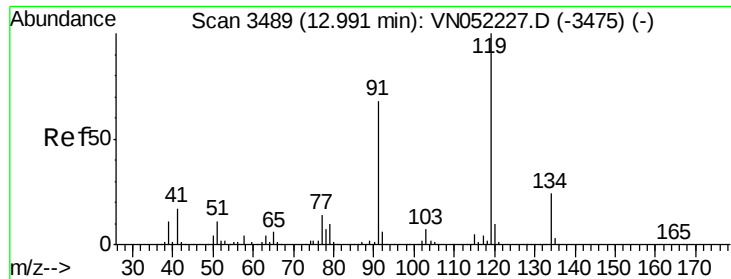
Delta R.T. 0.00 min

Lab File: VN052277.D

Acq: 13 Nov 2018 10:36

Tgt Ion:	91	Resp:	538421
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.9	50.7





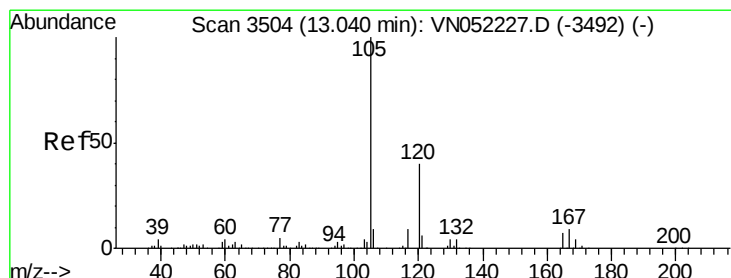
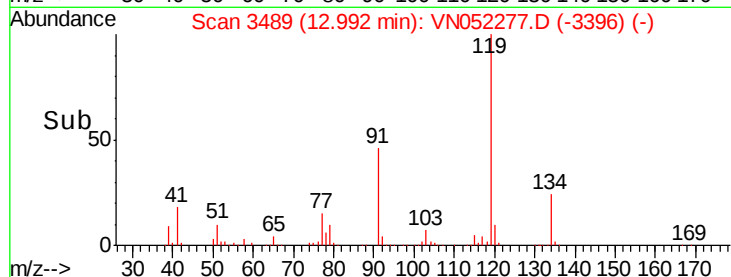
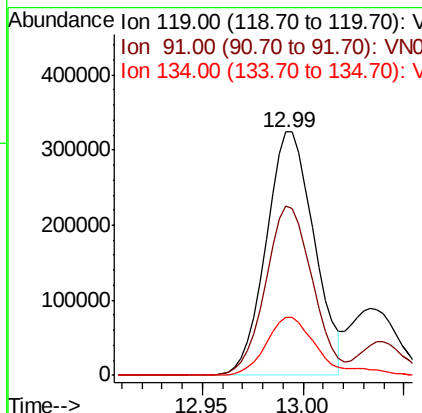
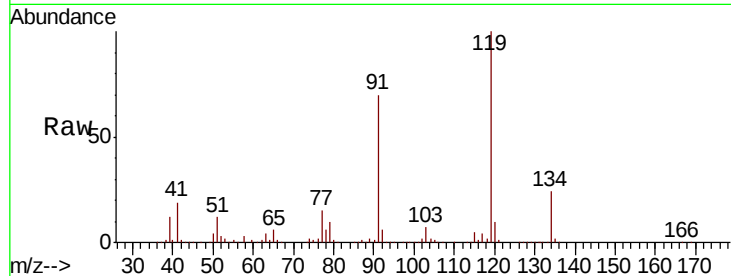
#83
 tert-Butylbenzene
 Concen: 48.814 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.5	100.4
134	25.9	13.0	38.9

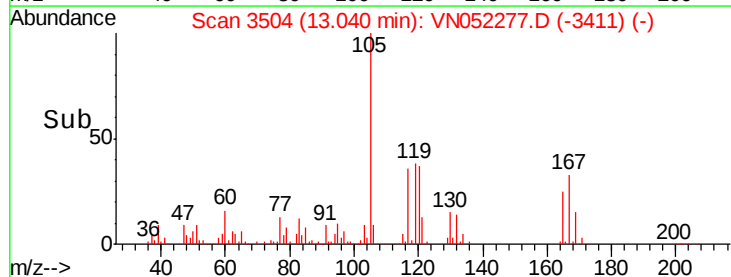
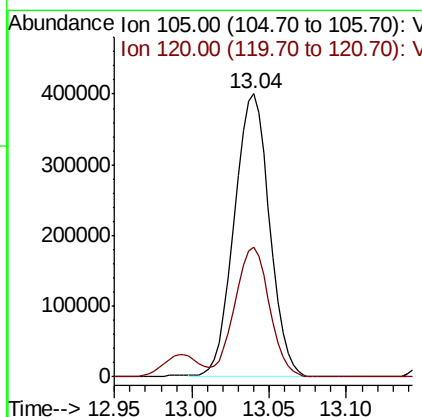
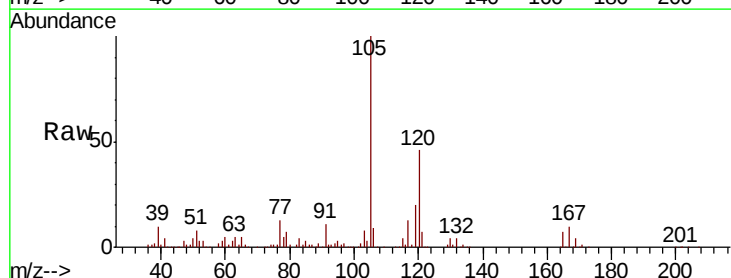
Manual Integrations
 APPROVED

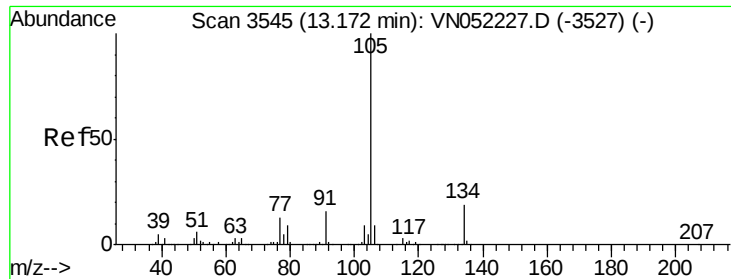
MMDadoda
 11/14/2018 11:10:03 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.078 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





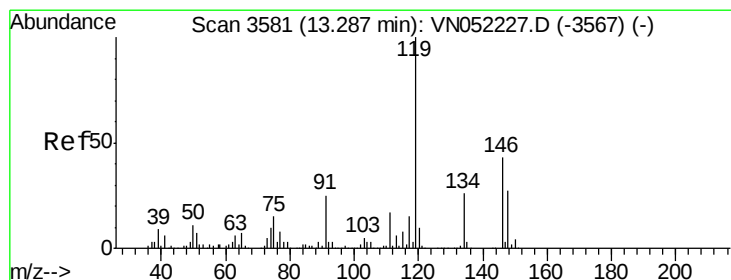
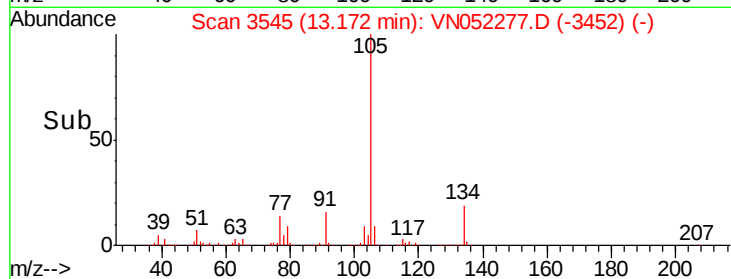
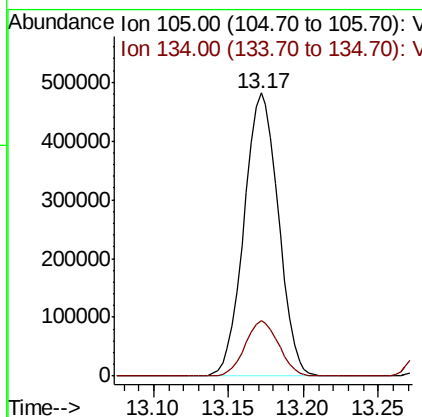
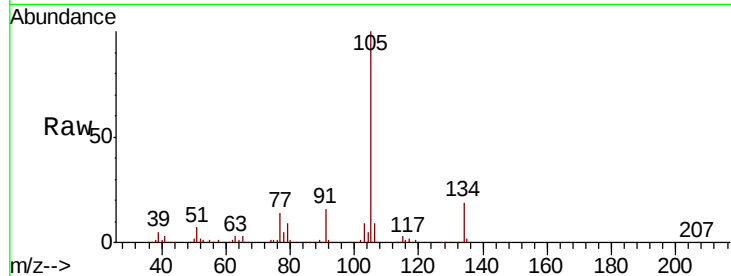
#85
 sec-Butylbenzene
 Concen: 51.122 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

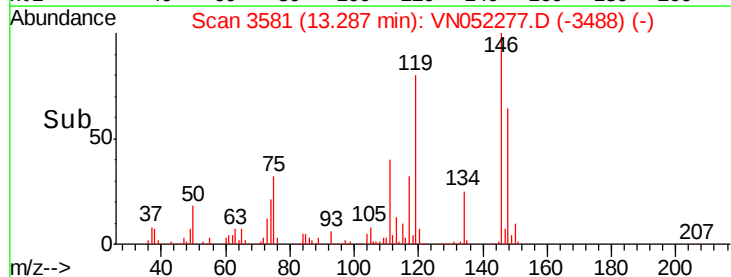
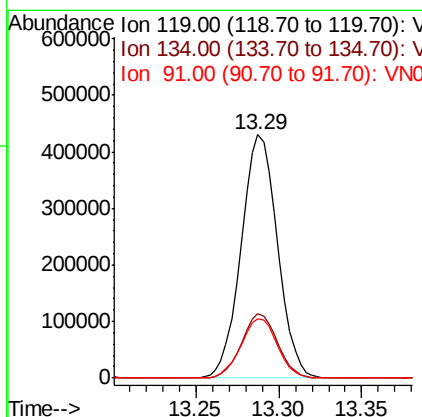
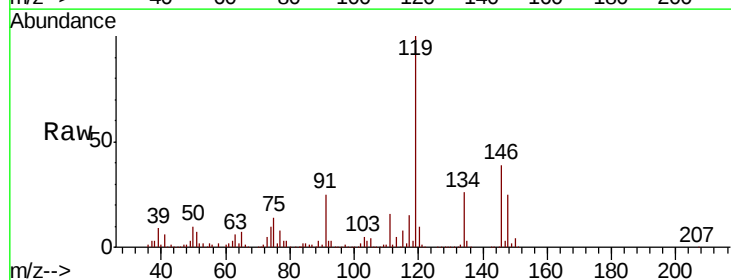
Manual Integrations
 APPROVED

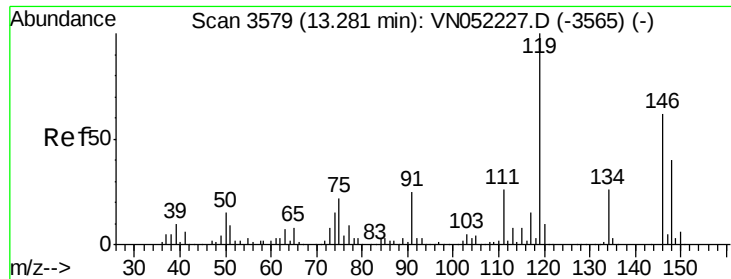
MMDadoda
 11/14/2018 11:10:03 AM



#86
 p-Isopropyltoluene
 Concen: 52.038 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	24.6	12.4	37.0





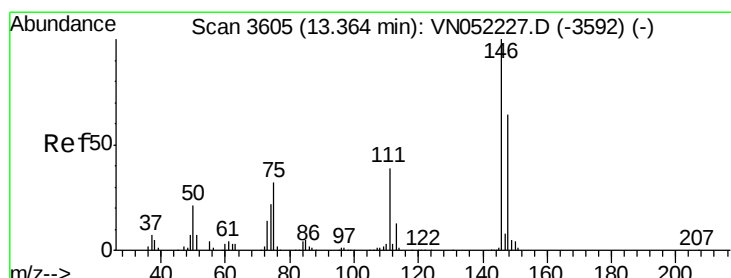
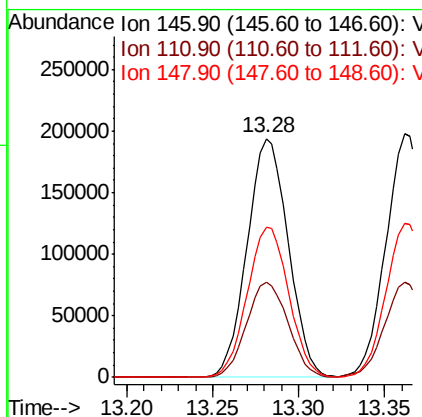
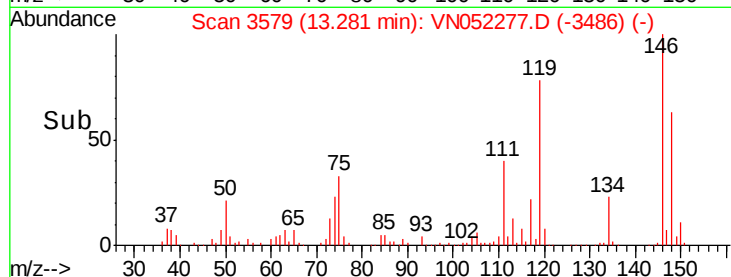
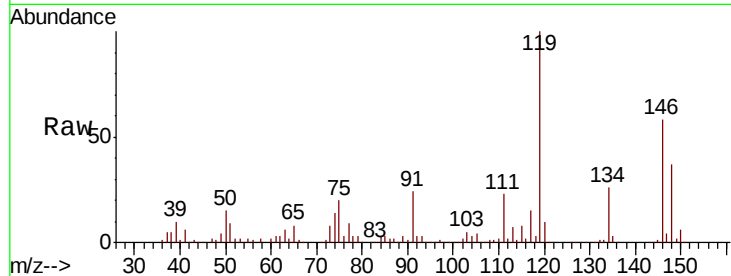
#87
 1,3-Dichlorobenzene
 Concen: 50.067 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.3
148	63.3	31.6	94.7

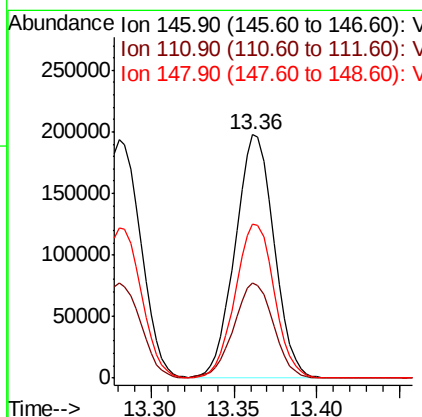
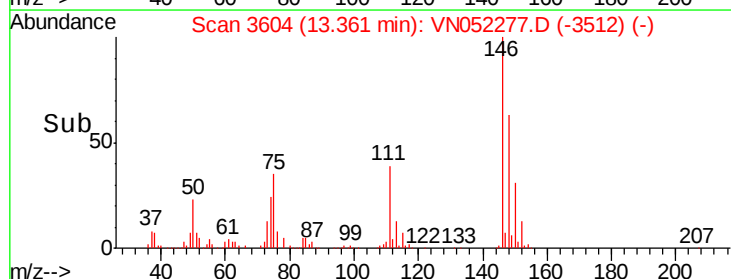
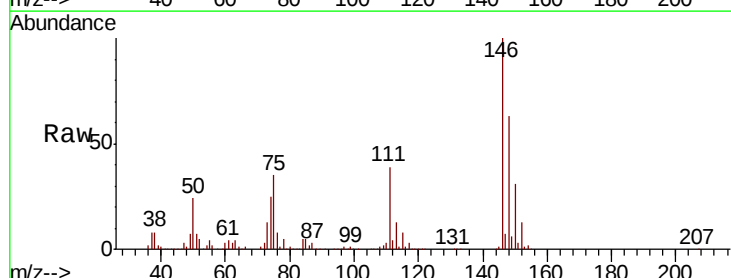
Manual Integrations
 APPROVED

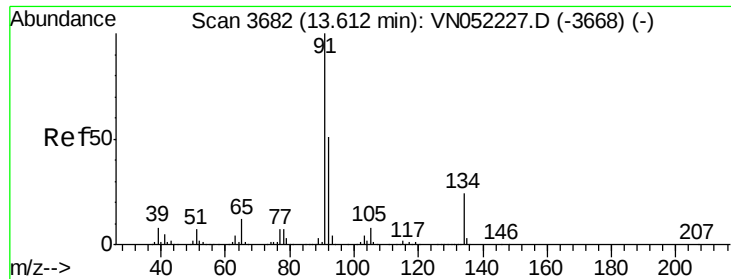
MMDadoda
 11/14/2018 11:10:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.127 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.6
148	63.7	32.1	96.3





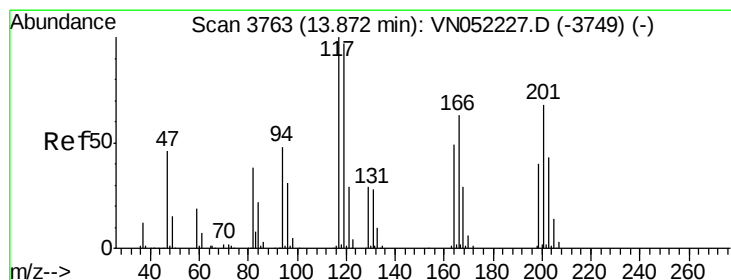
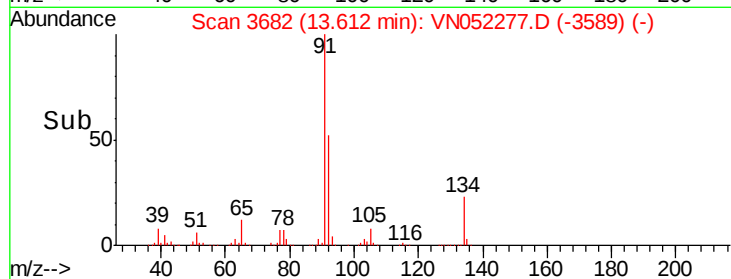
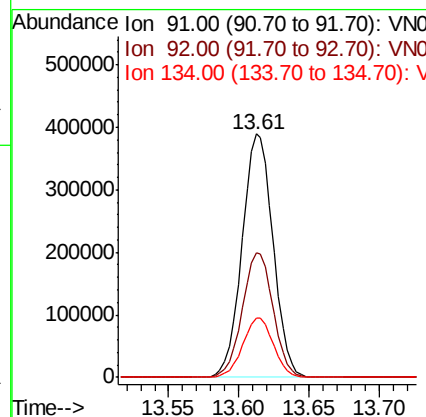
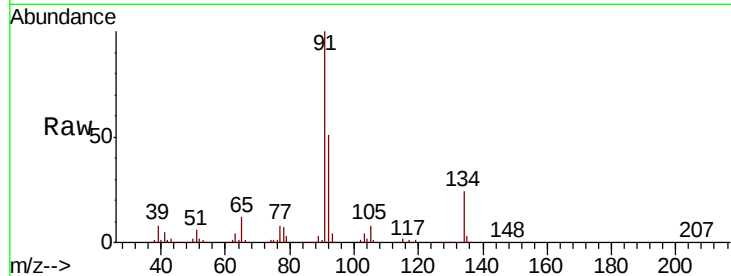
#89
n-Butylbenzene
Concen: 53.326 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.1	75.3
134	24.3	12.0	36.1

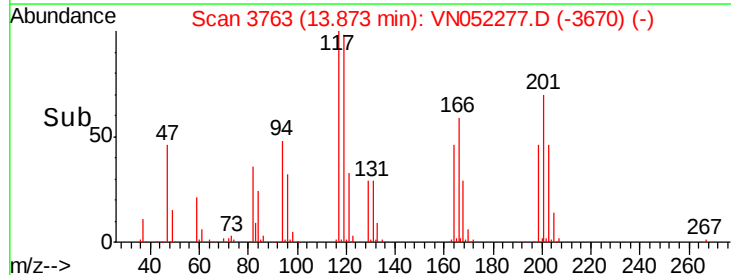
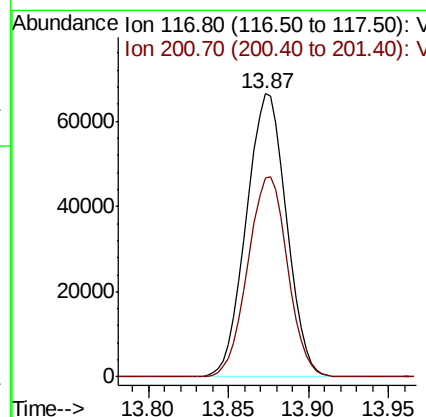
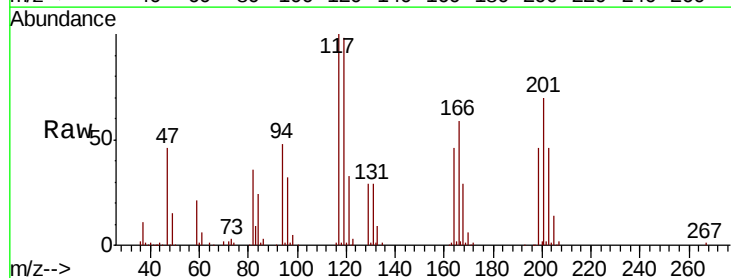
Manual Integrations
APPROVED

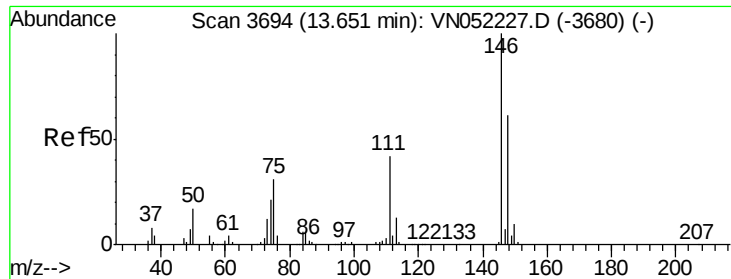
MMDadoda
11/14/2018 11:10:03 AM



#90
Hexachloroethane
Concen: 51.700 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.6	103.9





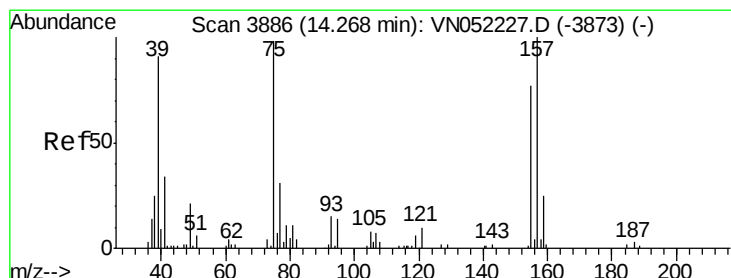
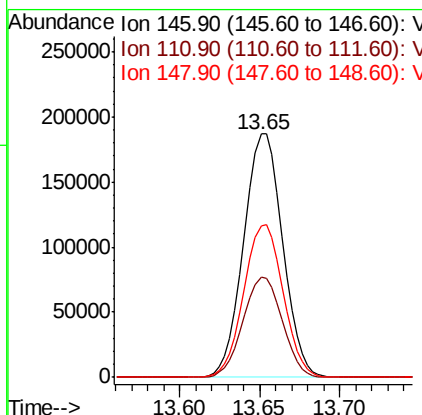
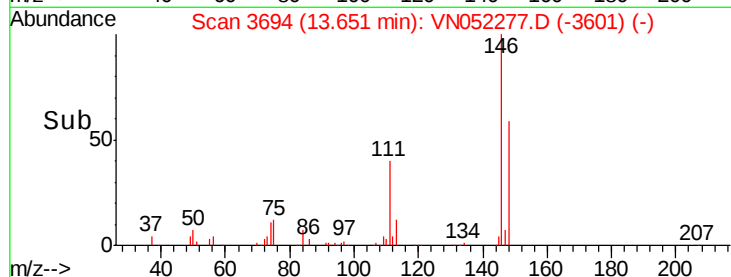
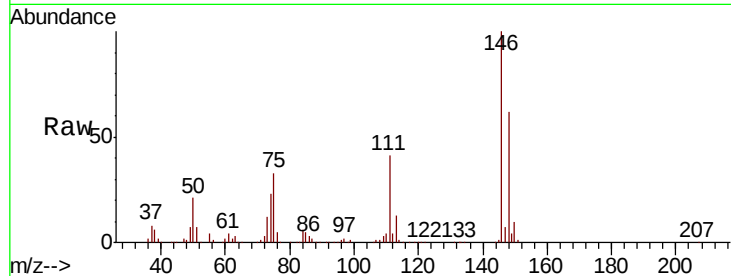
#91
 1,2-Dichlorobenzene
 Concen: 49.553 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	63.0	31.3	93.8

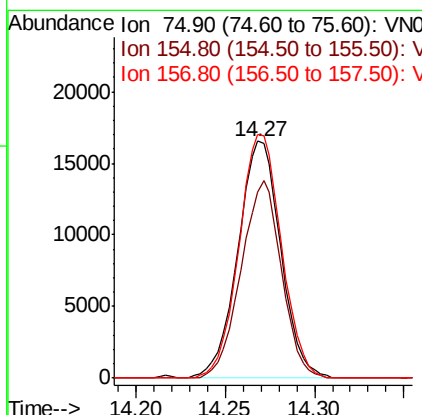
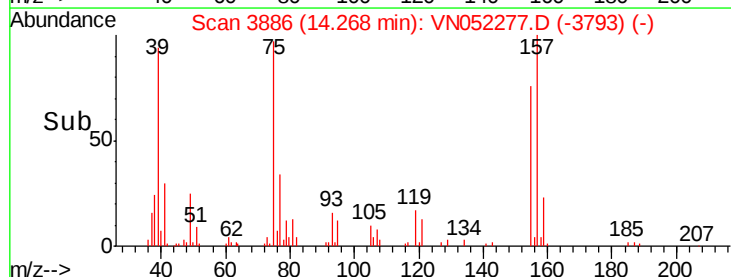
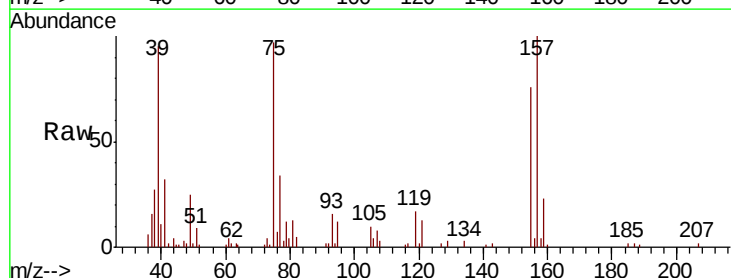
Manual Integrations
 APPROVED

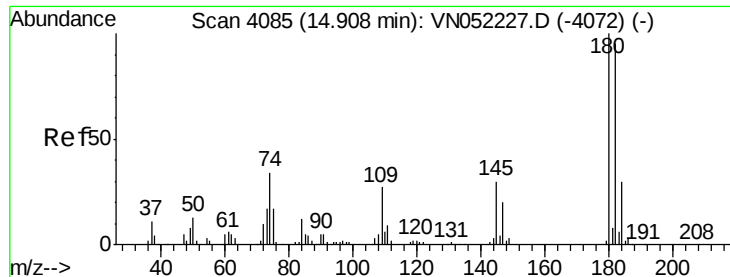
MMDadoda
 11/14/2018 11:10:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.534 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	40.2	120.5
157	101.6	51.7	155.2





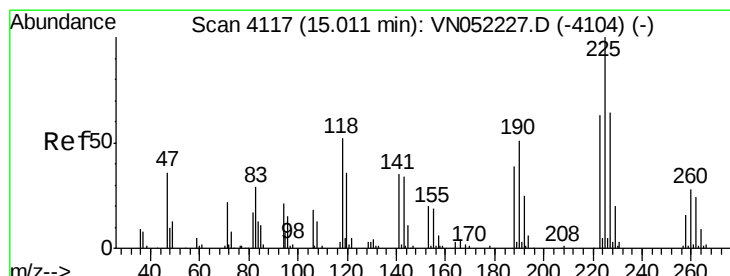
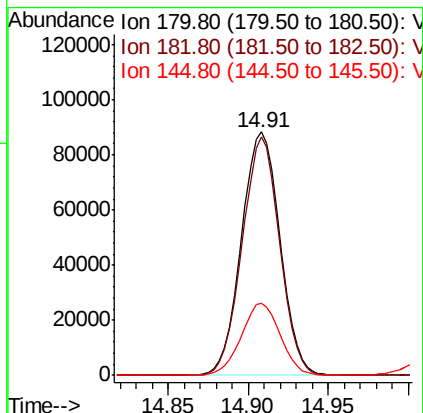
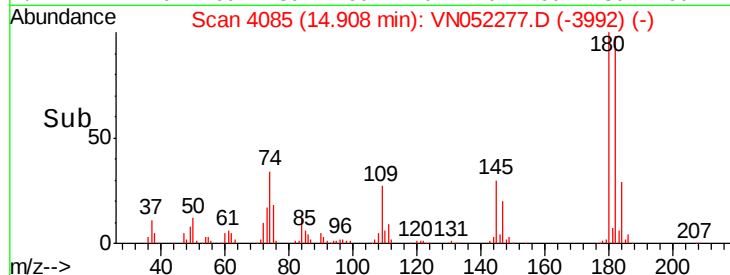
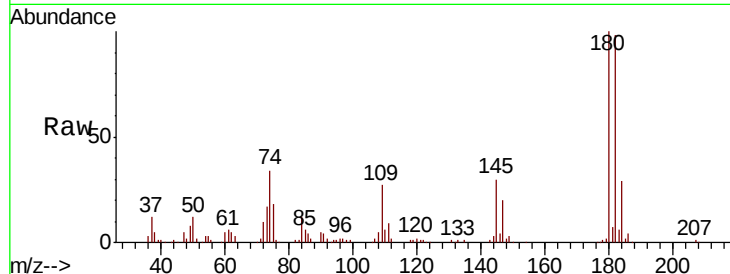
#93
 1,2,4-Trichlorobenzene
 Concen: 58.571 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	29.9	15.6	46.8

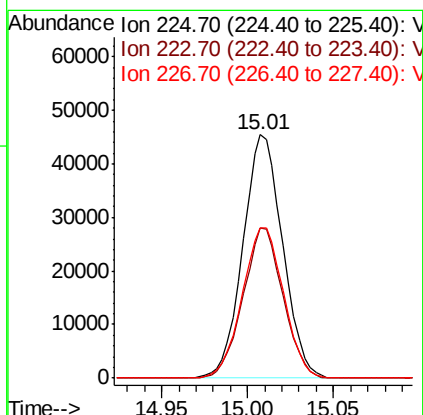
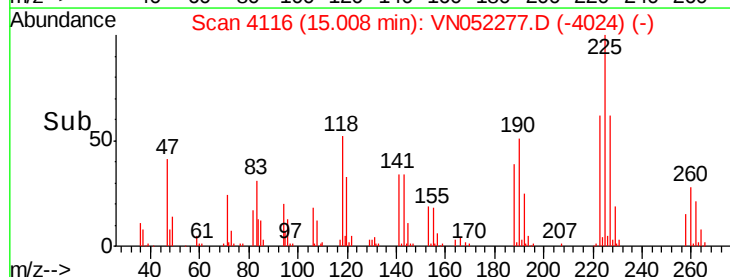
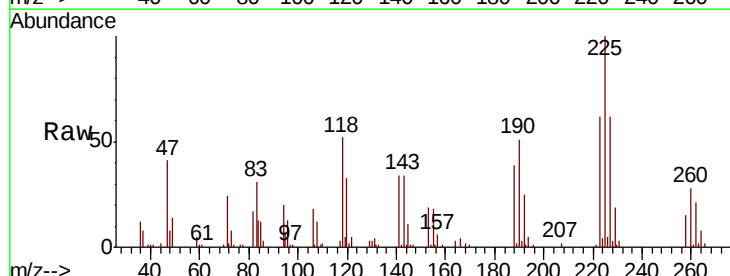
Manual Integrations
 APPROVED

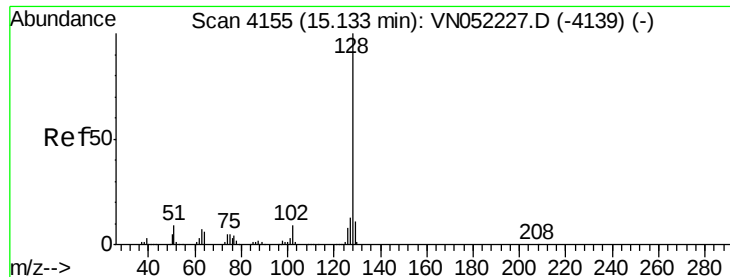
MMDadoda
 11/14/2018 11:10:03 AM



#94
 Hexachlorobutadiene
 Concen: 53.869 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052277.D
 Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.1	96.3
227	64.1	31.8	95.4





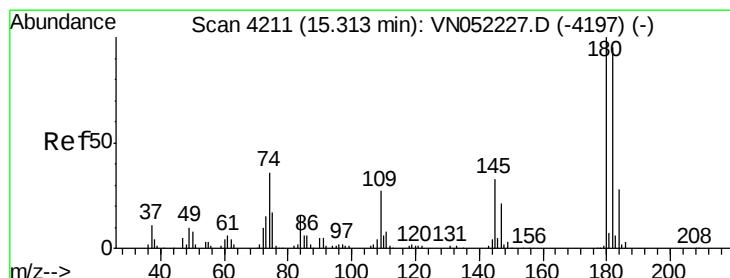
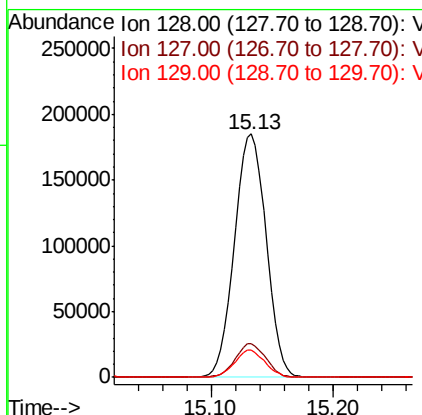
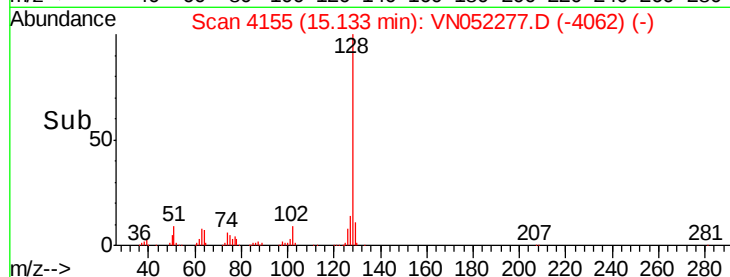
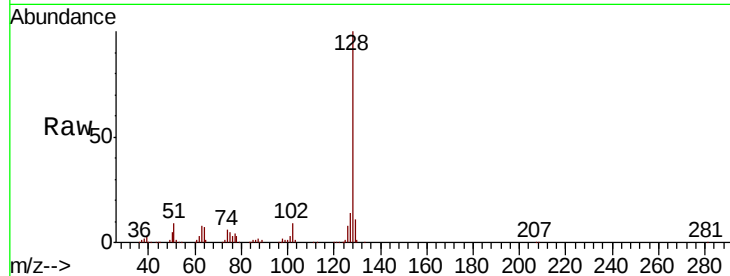
#95
Naphthalene
Concen: 54.491 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.843 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052277.D
Acq: 13 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.7	143.1
145	33.4	16.8	50.3

